CiM-25/600

IP-Enabled M&C
Installation and Operation Manual
Part Number CD/CIM25600.IOM
Rev. 3

Errata A

Comtech EF Data Documentation Update

Subject: Revise Paragraph 2.3.1 Powering the CiM-25

Date: July 9, 2004
Part Number: CD/CIM25550.IOM
Related Document: CiM-25/550,IP-Enabled M&C,Installation and Operation Manual
Part Number CD/CIM25550.IOM,Rev. 2
Collating Instructions: Attach to Page 4

Comments:

This information will be incorporated into the next revision.

Change Specifics:

2.3.1 Powering the CiM-25

The CiM-25F can accept power either on pin 4 of the DB9 interface to the equipment or via the power jack located next to the RJ-45 connector. An AC/DC adapter is supplied to provide the CiM-26F power via the power-jack connector.

IMPORTANT

All CDM-550 modems shipped from CEFD after June 1, 2001 have been modified to supply the 5 Vdc signal on pin 4. All units shipped from CEFD prior to this date DO NOT provide the 5 Vdc on pin 4. A field modification kit is available for CDM-550 modems shipped prior to this date.

The CiM-25M accepts power via the power jack located next to the RJ-45 connector. An AC/DC adapter is provided to provide power to the CiM-25M.

There is no ON/OFF switch for the CiM-25.

CiM-25/600

IP Enabled M&C
Installation and Operation Manual

Part Number CD/CIM25600.IOM
Rev. 3
May 13, 2004

Comtech EF Data is an ISO 9001
Registered Company.

Comtech EF Data, 2114 West 7th Street, Tempe, Arizona 85281 USA, (480) 333-2200, FAX: (480) 333-2161.

CUSTOMER SUPPORT

Contact the Comtech EF Data Customer Support Department for:

- Product support or training
- Information on upgrading or returning a product
- Reporting comments or suggestions concerning manuals

A Customer Support representative may be reached at:

Comtech EF Data
Attention: Customer Support Department
2114 West 7th Street
Tempe, Arizona 85281 USA

480.333.2200 (Main Comtech EF Data Number)
480.333.4357 (Customer Support Desk)
480.333.2161 FAX

or, E-Mail can be sent to the Customer Support Department at:

cimfss@comtechefdata.com

Contact us via the web at www.comtechefdata.com.

To return a Comtech EF Data product (in-warranty and out-of-warranty) for repair or replacement:

1. Request a Return Material Authorization (RMA) number from the Comtech EF Data Customer Support Department.
2. Be prepared to supply the Customer Support representative with the model number, serial number, and a description of the problem.
3. To ensure that the product is not damaged during shipping, pack the product in its original shipping carton/packaging.
4. Ship the product back to Comtech EF Data. (Shipping charges should be prepaid.)

For more information regarding the warranty policies, see Warranty Policy, p. xiii.

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ABOUT THIS MANUAL

This manual provides installation and operation information for the Comtech EF Data CiM-25/600 IP Enabled M&C. This is a technical document intended for earth station engineers, technicians, and operators responsible for the operation and maintenance of the CiM-25/600 IP Enabled M&C.

CONVENTIONS AND REFERENCES

CAUTIONS AND WARNINGS



Indicates information critical for proper equipment function.



Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury. CAUTION may also be used to indicate other unsafe practices or risks of property damage.



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

METRIC CONVERSION

Metric conversion information is located on the inside back cover of this manual. This information is provided to assist the operator in cross-referencing non-metric to metric conversions.

RECOMMENDED STANDARD DESIGNATIONS

Recommended Standard (RS) Designations have been superseded by the new designation of the Electronic Industries Association (EIA). References to the old designations are shown only when depicting actual text displayed on the screen of the unit (RS-232, RS-485, etc.). All other references in the manual will be shown with the EIA designations (EIA-232, EIA-485, etc.) only.

TRADEMARKS

All product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Reporting Comments or Suggestions Concerning this Manual

Comments and suggestions regarding the content and design of this manual will be appreciated. To submit comments, please contact the Comtech EF Data Customer Support Department.

EMC Compliance

This is a Class A product. In a domestic environment, it may cause radio interference that requires the user to take adequate protection measures.

EN55022 Compliance

This equipment meets the radio disturbance characteristic specifications for information technology equipment as defined in EN55022.

EN50082-1 Compliance

This equipment meets the electromagnetic compatibility/generic immunity standard as defined in EN50082-1.

Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users are required to correct the interference at their own expense.

Note: To ensure compliance, properly shielded cables for DATA I/O shall be used. More specifically, these cables shall be shielded from end to end, ensuring a continuous shield.

SAFETY COMPLIANCE

EN 60950

Applicable testing is routinely performed as a condition of manufacturing on all units to ensure compliance with safety requirements of EN60950.

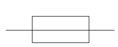
This equipment meets the Safety of Information Technology Equipment specification as defined in EN60950.

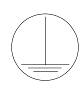
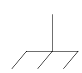
LOW VOLTAGE DIRECTIVE (LVD)

The following information is applicable for the European Low Voltage Directive (EN60950):

<HAR>	Type of power cord required for use in the European Community.
	CAUTION: Double-pole/Neutral Fusing. ACHTUNG: Zweipolige bzw. Neutralleiter-Sicherung.

International Symbols:

Symbol	Definition
	Alternating Current.
	Fuse.

Symbol	Definition
	Protective Earth.
	Chassis Ground.

Note: For additional symbols, refer to “Cautions” listed earlier in this preface.

WARRANTY POLICY

This Comtech EF Data product is warranted against defects in material and workmanship for a period of two years from the date of shipment. During the warranty period, Comtech EF Data will, at its option, repair or replace products that prove to be defective.

For equipment under warranty, the customer is responsible for freight to Comtech EF Data and all related customs, taxes, tariffs, insurance, etc. Comtech EF Data is responsible for the freight charges **only** for return of the equipment from the factory to the customer. Comtech EF Data will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to Comtech EF Data.

LIMITATIONS OF WARRANTY

The foregoing warranty shall not apply to defects resulting from improper installation or maintenance, abuse, unauthorized modification, or operation outside of environmental specifications for the product, or, for damages that occur due to improper repackaging of equipment for return to Comtech EF Data.

No other warranty is expressed or implied. Comtech EF Data specifically disclaims the implied warranties of merchantability and fitness for particular purpose.

EXCLUSIVE REMEDIES

The remedies provided herein are the buyer's sole and exclusive remedies. Comtech EF Data shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

DISCLAIMER

Comtech EF Data has reviewed this manual thoroughly to provide an easy-to-use guide to your equipment. All statements, technical information, and recommendations in this manual and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representations or warranties concerning the products described. Further, Comtech EF Data reserves the right to make changes in the specifications of the products described in this manual at any time without notice and without obligation to notify any person of such changes.

If you have any questions regarding the equipment or the information in this manual, please contact the Comtech EF Data Customer Support Department.

Chapter 1. INTRODUCTION



CiM-25
IP-Enabled
M&C Interface

1.1 INTRODUCTION

The CiM-25 is a low-cost solution for providing an Internet Protocol (IP) Monitor and Control (M&C) interface for existing Comtech EF Data satellite modems, RF frequency converters and solid-state power amplifiers. The CiM-25 provides a custom proxy interface between the IP world and the equipment's existing serial remote control interface.

The CiM-25 provides powerful equipment management tools via HTTP protocol, SNMP v2c Protocol, and Telnet Protocol. Wrapped around these industry standard protocols is a system of account access and IP security control features to safeguard equipment from unwanted intrusions. The CiM-25 brings customer support to a new level by providing SMTP Protocol to facilitate automated, direct E-mail to Comtech EF Data's Customer Support Center.

The CiM-25 is packaged in a very compact 4.3" x 1.7" x 0.8". The unit can be powered directly by the attached equipment or via an external AC/DC adapter. The CiM-25 requires less than 1 Watt of power.

The CiM-25 uses flash technology providing support for a wide variety of products from a single hardware platform. The CiM-25 either currently or will in the near future support the following Comtech EF Data equipment:

- Modems

SDM-300L1*	SDM-300A/SLM-3650*
SDM-300L2*	CDM-550T
SDM-300L3	CDM-600*
SDM-2020M*	SDM-2020D*
SDM-8000*	SDM-9000*

- Frequency Converter

  UT4500 series 1 kHz and 125 kHz step size Up Converters*
  DT4500 series 1 kHz and 125 kHz step size Down Converters*

*Requires an external 5 Vdc Power Supply (universal AC input). See section 2.3.1, Powering the CiM-25.

1.2 SPECIFICATIONS

SYSTEM SPECIFICATIONS	
Ethernet Interface	10base T (RJ-45)
Equipment Interface	DB9 Female on CiM-25F
	DB9 Male on CiM-25M
ENVIRONMENTAL AND PHYSICAL	
Temperature	Operating: 0 to 50º C
	Storage: -25 to 70º C
Power Supply	4.75 to 5.25 Vdc
Power Consumption	0.9 W typical, 1.5 W maximum
Physical Dimensions	L=110, W=43, H=20 (mm)
	L=4.3, W=1.7, H=0.8 (inches)
Weight	< 1 lbs
CE Approvals	EN55022 Class B (Emissions)
	EN50082-1 Part 1 (Immunity)
	EN60950 (Safety)
FCC Approval	FCC Part 15 Class B

Chapter 2. INSTALLATION

2.1 UNPACKING AND INSPECTION

Inspect shipping containers for damage. If shipping containers are damaged, keep them until the contents of the shipment have been carefully inspected and checked for normal operation.

Remove the packing list from the outside of the shipping carton. Open the carton and remove the contents, checking the contents against the packing list. Verify completeness of the shipment and that the unit functions correctly. If damage is evident, contact the carrier and Comtech EF Data immediately and submit a damage report. Keep all shipping materials for the carrier's inspection.

If the unit needs to be returned to Comtech EF Data, please use the original shipping container.

2.2 CONFIGURATION

There are no internal jumpers to configure, no interface cards to install, and no other options to install. All configuration is carried out entirely in software. The unit should first be configured locally, using the RJ-45 Ethernet interface. The unit will ship with a default IP address of 10.6.30.1, Gateway 0.0.0.0, and Mask 255.255.0.0. The default Administrator Name and Password are **admin** and **1234** respectively. See the operations section for details regarding configuring and administrating the CiM-25.

2.3 CONNECTING CIM-25 TO EQUIPMENT

The CiM-25 is designed to connect directly (no cabling) to supported Comtech EF Data Modems, Frequency Converters, or Solid State Power Amplifiers using the equipment's 9-pin remote control interface port. The CiM-25 interfaces to this equipment via a RS-232 interface at a baud rate of 19200 bps and a data format of 8-N-1. Therefore, it is necessary to first select the RS-232 interface type on the interfacing equipment prior to connecting the CiM-25 to said equipment. Some equipment automatically selects a unit address of **0** when RS-232 is chosen while other equipment requires the user to configure the unit remote control address to **1**. In addition, on equipment that supports multiple data formats the user must select **8-N-1** format.

2.3.1 POWERING THE CIM-25

The CiM-25F can accept power either on pin 4 of the DB9 interface to the equipment or via the power jack located next to the RJ-45 connector. An optional AC/DC adapter can be purchased to provide the CiM-25F power via the power-jack connector.

The CiM-25M accepts power via the power jack located next to the RJ-45 connector. An AC/DC adapter must be purchased to provide power to the CiM-25M.

All CDM-550 and CDM-600 modems shipped from the factory after June 1, 2001 have been modified to supply the 5 Vdc signal on pin 4. All units shipped from the factory prior to this date DO NOT provide the 5 Vdc on pin 4. A field modification kit is available and can be purchased for CDM-550 and CDM-600 modems shipped prior to this date.

Note: There is no ON/OFF switch for the CiM-25.

2.3.2 CIM-25 CONNECTORS

There are three connectors located on each CiM-25:

- RJ-45 - 10base T Ethernet interface.
- DB9 – RS-232 equipment interface (either male or female)
- 1.3mm – DC Power Jack

The pinout details for these connectors are as follows.

RJ-45 Pin Out

Pin	Function
1	Tx+
2	Tx-
3	Rx+
4	No Connection
5	No Connection
6	Rx-
7	No Connection
8	No Connection

DB9 Female (CiM-25F)

Pin	Function
1	Ground
2	**CiM-25 Rx**
3	**CiM-25 Tx**
4	+5 Vdc Input
5	Ground
6	No Connection
7	No Connection
8	No Connection
9	No Connection

DB9 Male (CiM-25M)

Pin	Function
1	Ground
2	**CiM-25 Rx**
3	**CiM-25 Tx**
4	No Connection
5	Ground
6	+5 Vdc Input
7	No Connection
8	No Connection
9	No Connection

1.3mm – DC Power Jack

Pin	Function
Center Conductor	+5 Vdc Input
Outer Conductor	Ground

NOTES

Chapter 3. OPERATION

3.1 OVERVIEW

Each CiM-25 unit is programmed in the factory to provide a custom proxy interface to Comtech EF Data's previously defined equipment. This means that a CiM-25/600 that is loaded to interface a CDM-600 Modem to the IP world will not operate with any other piece of Comtech EF Data equipment, unless the personality is changed via a flash upload. However, every CiM-25, independent of personality, shares a large number of common features. For instance, all CiM-25 units provide the same degree of security features, network protocols, and administration features. The following sections will provide a detailed description of all the features available for a specific CiM-25 (i.e., CiM-25/600 with CDM-600 Modem). Those areas that are common to all CiM-25 units will be expounded upon and delineated. The areas that are specific to the individual personality (such as equipment parameter control) will only be briefly covered since these are already covered in detail in the individual equipment operator manuals.

3.2 ADMINISTRATION AND SECURITY

The CiM-25 has been designed to provide a high degree of administrative flexibility to ensure that each user can configure the device (or network of devices) in a manner that meets his/her security needs. The primary tools provided are the Host Allow List, PING enable/disable, and three (3) level user login. Used as a group, these three tools provide the CiM-25 with a very high degree of security.

3.2.1 SECURITY TOOLS

3.2.1.1 USER LOGIN

For the HTTP interfaces the CiM-25 provides three (3) levels of user login. The Telnet interface provides the first two (2) of the following levels. The highest level is the **Administrator** login. This level allows 100% complete access to all controllable CiM-25 and equipment parameters. The next level of user login is the **Read/Write** level. This level allows access to all controllable equipment parameters but does not allow access to the administration parameters of the CiM-25 itself. The lowest level of login is the **Read Only** login. This level allows the user to view, but not change, the equipment parameters. Like the **Read/Write** level, this level does not allow access to the administration parameters of the CiM-25.

The Name and Password factory defaults for the three levels are:

- Administrator Level:
  - Name: **admin**
  - Password: **1234**
- Read/Write Level:
  - Name: **opcenter**
  - Password: **1234**
- Read Only Level:
  - Name: **monitor**
  - Password: **1234**

The SNMP interface uses all three (3) levels of user login utilizing the SNMP v2c (community string) method of security. The community string is the name and password, i.e., **admin1234**, default admin community string.

3.2.1.2 HOST ALLOW LIST

The CiM-25 provides a high degree of security by allowing the Administrator to define a list of IP addresses to which the CiM-25 will accept/respond to IP datagrams. The Administrator can select up to six (6) individual allowable IP addresses or up to three (3) allowable IP address ranges or any combination of individual and ranges that can be defined by six fields (see Section 3.3, HTTP Interface). The host allow list is applied to all three CiM-25 interfaces (HTTP, SNMP, and Telnet).

3.2.1.3 PING ENABLE/DISABLE

The final piece to the CiM-25 security design is the PING Enable/Disable feature. This feature allows the Administrator to disable PING on an individual CiM-25. This conceals the CiM-25 from most hackers.

3.2.2 NETWORK ADMINISTRATION

The CiM-25 also provides the following network administration facilities:

- Configure IP Address, IP Gateway, and IP Mask.
- Select Primary and Secondary DNS server IP addresses.
- Select SMTP domain Name and IP address.
- Select SNMP Trap IP addresses.

3.3 HTTP INTERFACE

This section explains the HTTP (Web Server) interface provided by the CiM-25/600.

3.3.1 LOCAL LAN CONFIGURATION

The web page interface is best viewed at 1152 x 864 resolution using Internet Explorer 5.5 or higher and a 17” or larger monitor.

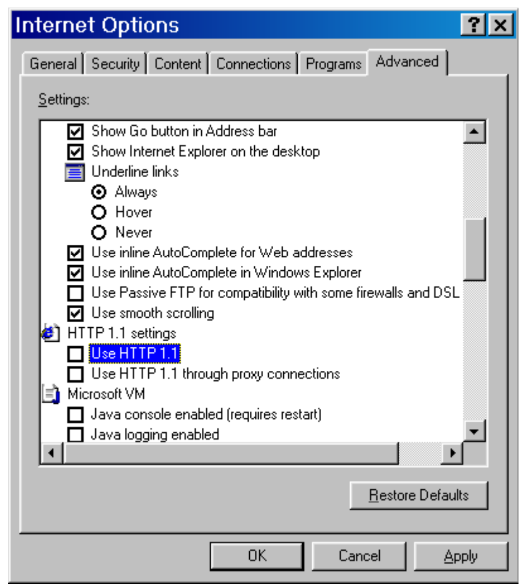
3.3.1.1 HTTP 1.1

IMPORTANT

For best performance, HTTP 1.1 should be disabled. It can be changed as follows:

Step	Procedure
1.	Click **Start**, **Settings**, then **Control Panel**.
2.	Double-click the **Internet Options** icon in the Control Panel.
3.	Under the **Advanced** tab, scroll down to **HTTP 1.1 settings**.
4.	Uncheck the **Use HTTP 1.1** box and click **OK**.

Example



3.3.1.2 PROXY SERVER

IMPORTANT

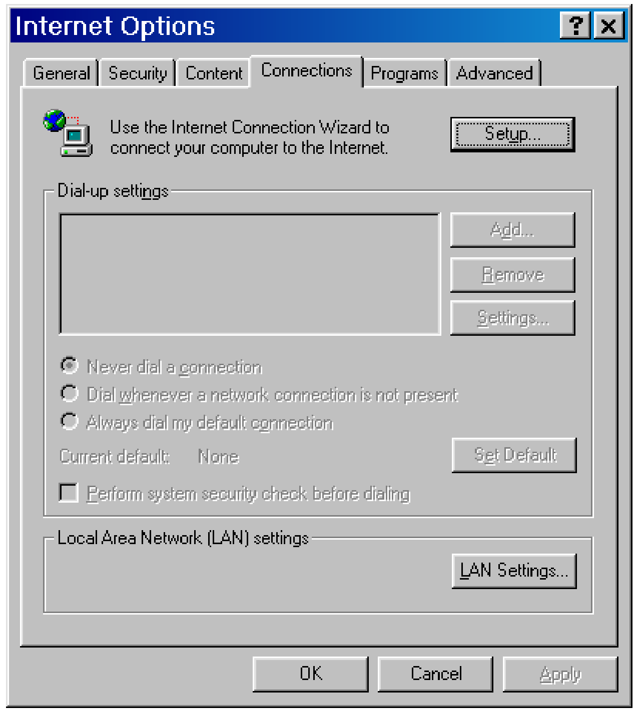
If your network uses a proxy server, it may be necessary to disable the use of it for the browser to work. It can be changed as follows:

Step **Procedure** **Example**

1. Click **Start**, **Settings**, then **Control Panel**.

2. Double-click the **Internet Options** icon in the Control Panel.

3. Under the **Connections** tab, click the **LAN Settings** button.

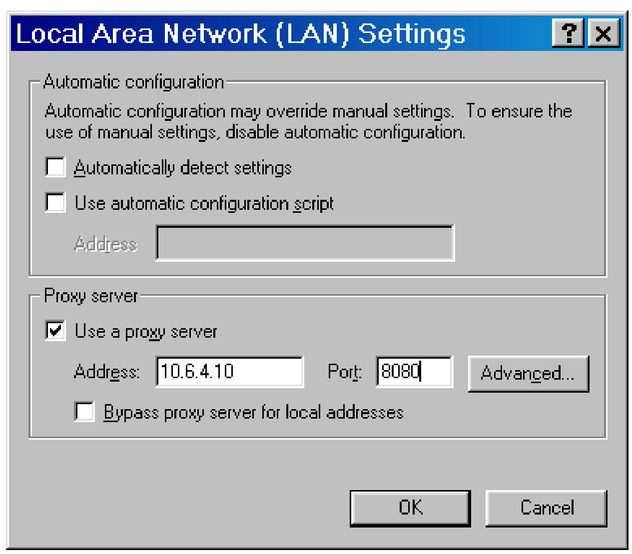


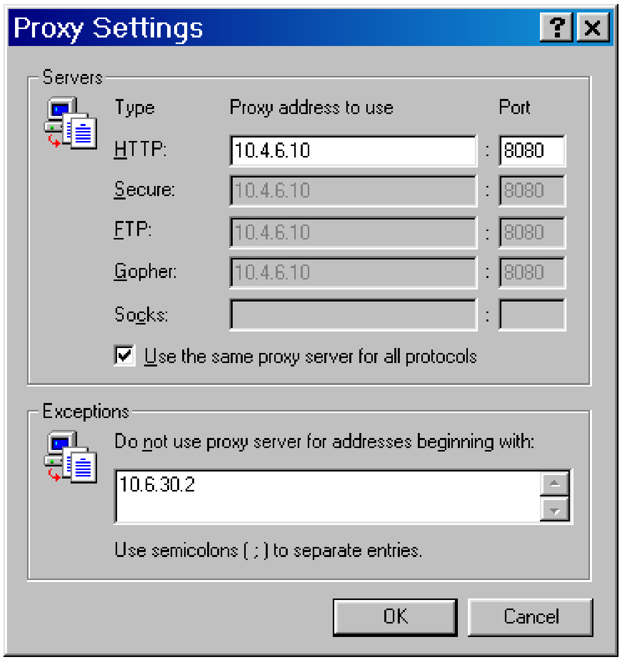
4. At this point you must do one of the following:

   a. Uncheck the **Use a proxy server** box and click **OK**.

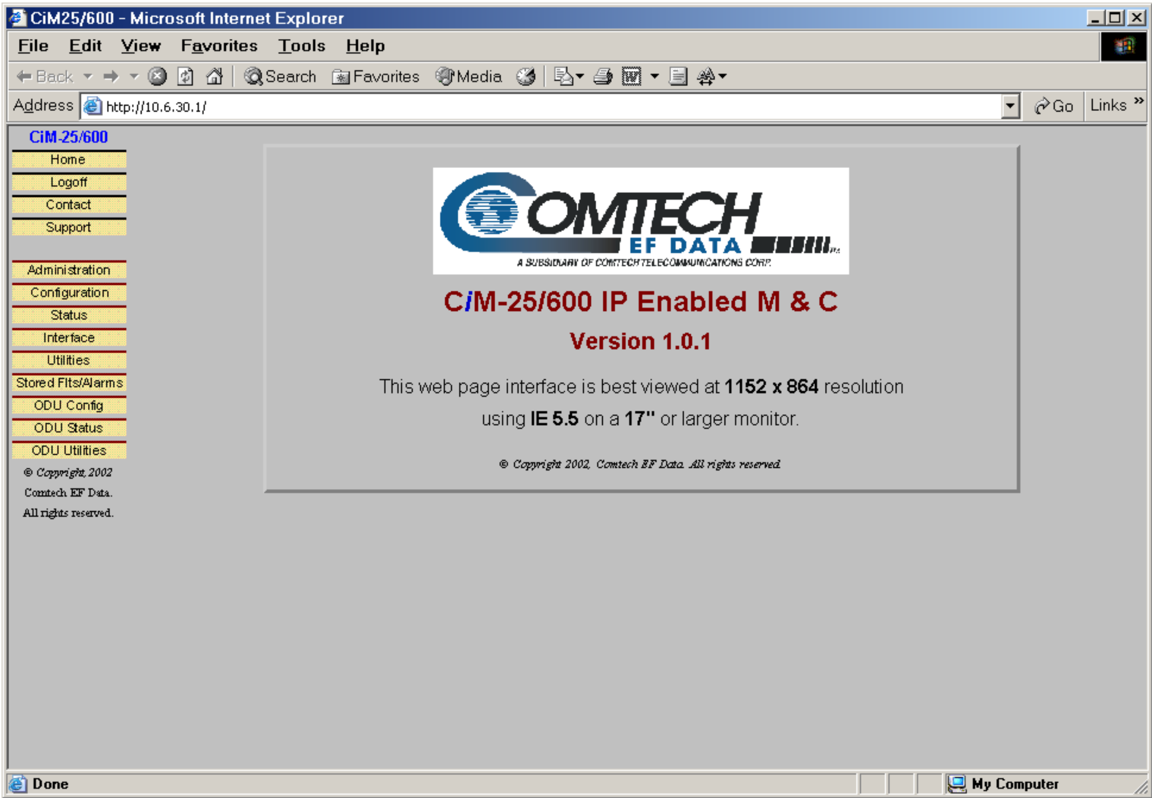
   or

   b. Click the **Advanced** button and go to the next step.



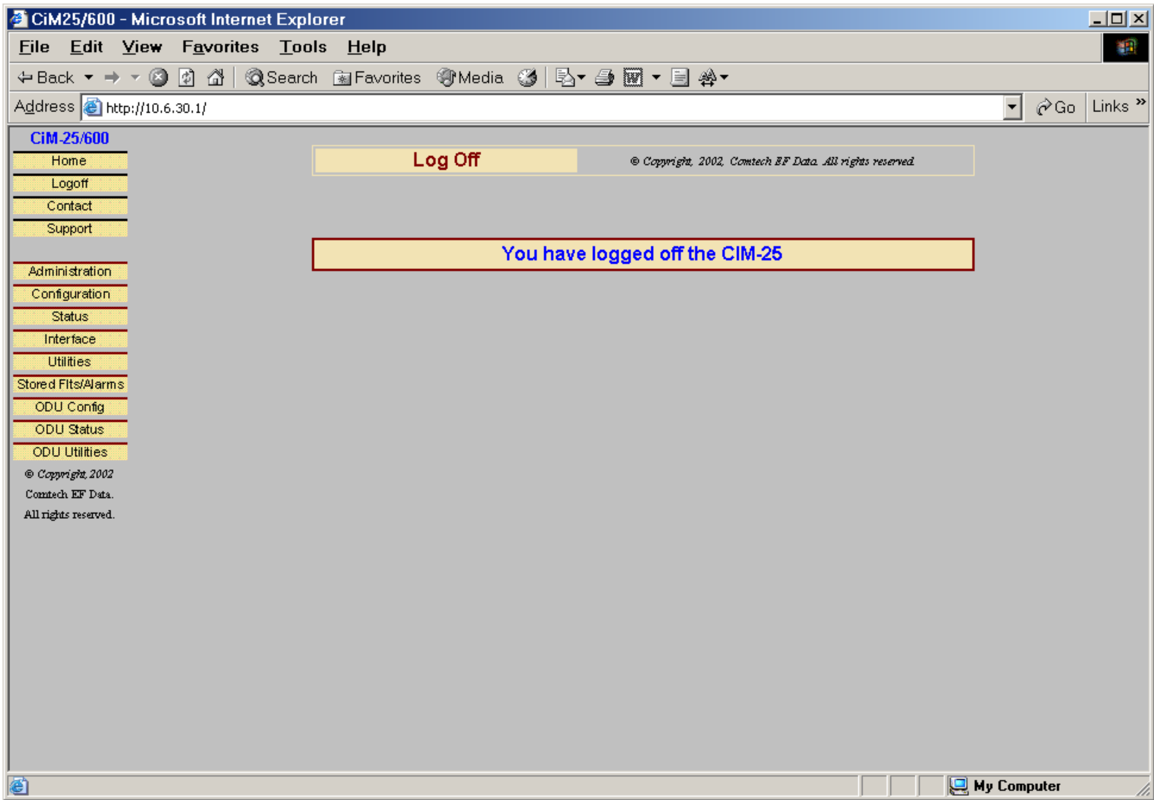
Step	Procedure	Example
5.	In the **Exceptions** box, enter the IP address of the CiM module and click **OK.**	

3.3.2 HOME PAGE



Welcome to the CiM-25/600 Web Interface. The following sections will give you a brief introduction to each web page available.

3.3.3 LOGOFF PAGE

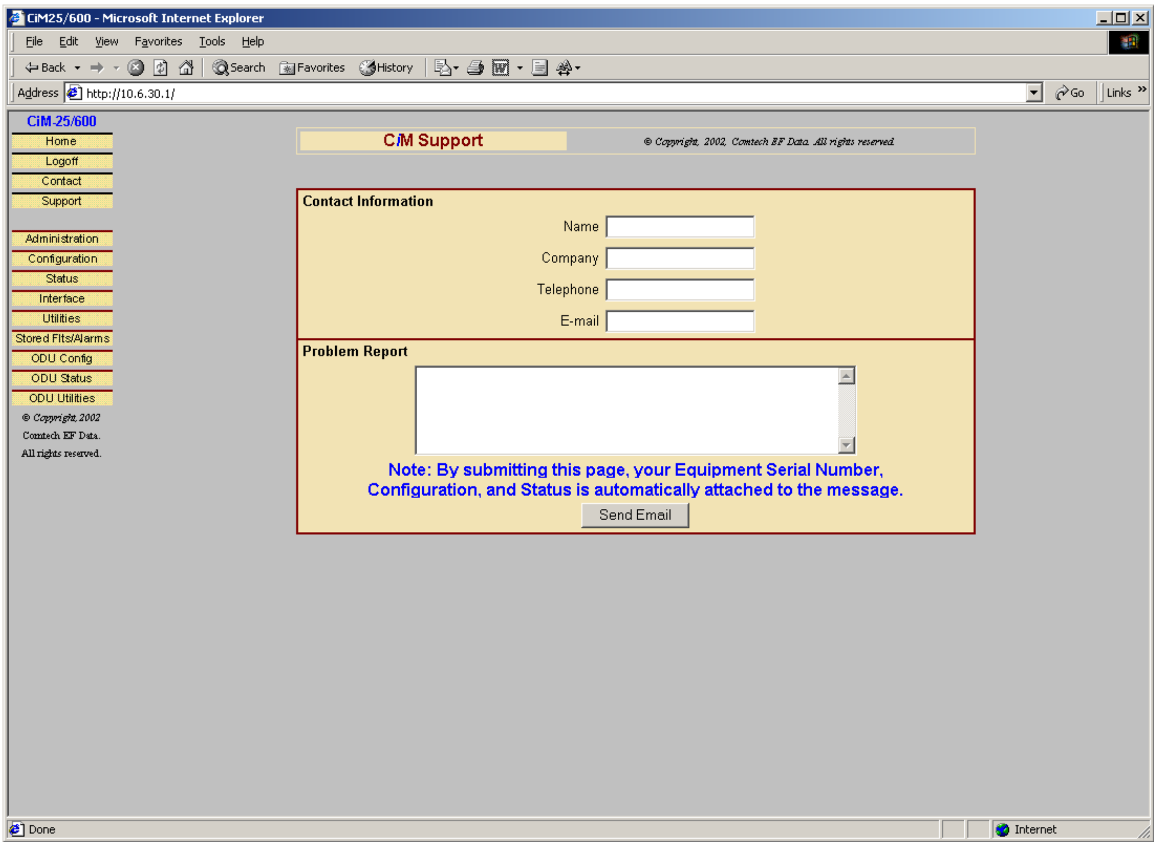


The CiM-25 allows multiple connections to the Web Interface. The Web Interface and Telnet Interface cannot be used at the same time.You must logoff the Web Interface in order to log into the Telnet Interface and vice versa.

3.3.4 SUPPORT PAGE (COMMON)

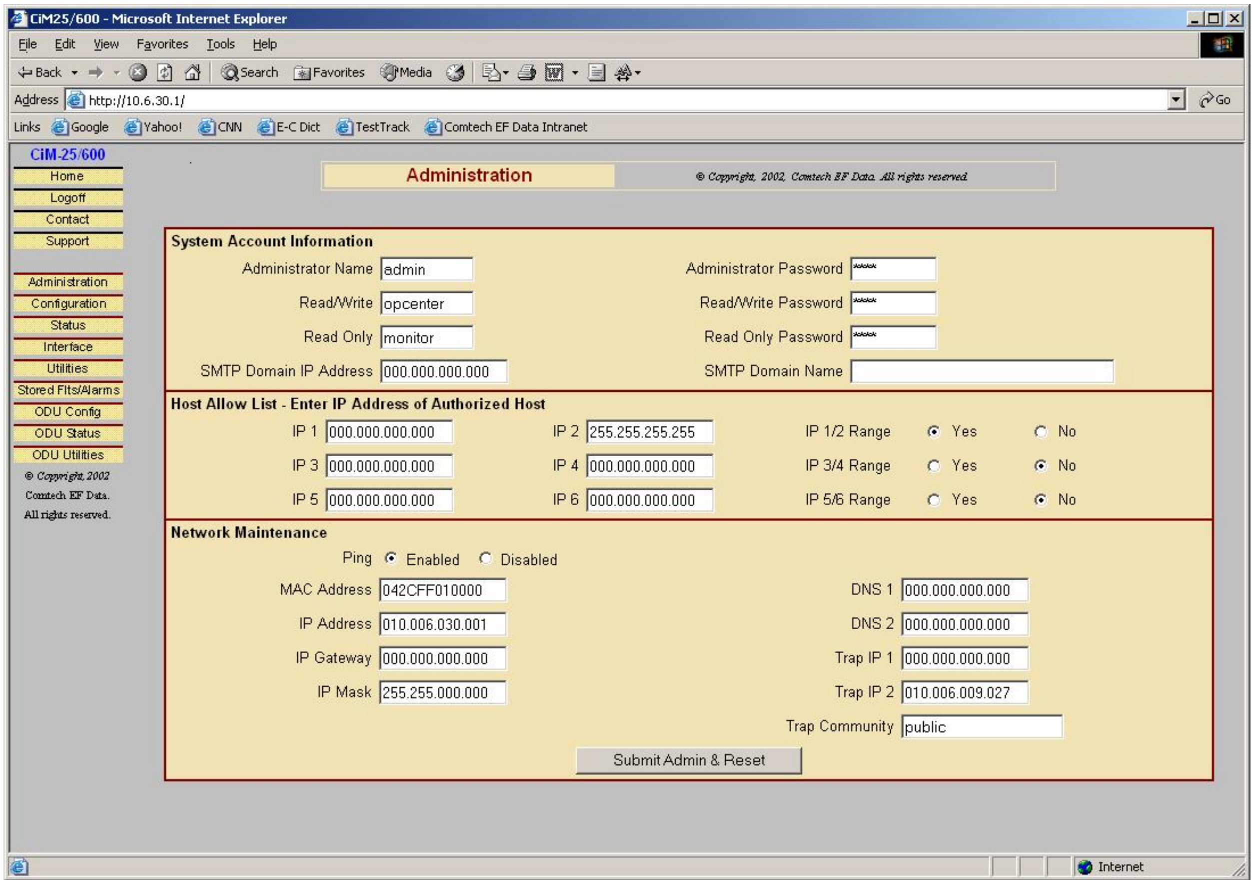
IMPORTANT

In order to use the Support functions, the user must first assign SMTP a domain name and IP address. Refer to 3.3.5.8, SMTP Domain Name and IP Address.



The Support page is accessible by ALL logged in users. This page allows the user to automatically email Comtech EF Data's Customer Support center. The user MUST fill in the **Name**, **Company**, **Email Address**, and **Telephone** information boxes. In addition, the user must enter some description of the problem or question into the **Problem Report** field. The CiM-25 will automatically retrieve and attach pertinent information about the equipment (such as Equipment ID, Serial Number, Configuration, and Status) to the email message. This will allow Comtech EF Data Customer Support personnel to provide faster and more accurate responses to customer needs.

3.3.5 ADMINISTRATION PAGE (COMMON)



The Administration Page is only available to users who have logged in using the Administrator Name and Password.

3.3.5.1 ADMINISTRATOR NAME AND PASSWORD

The factory defaults for these parameters are **admin** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

3.3.5.2 READ/WRITE NAME AND PASSWORD

The factory defaults for these parameters are **opcenter** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

3.3.5.3 READ ONLY NAME AND PASSWORD

The factory defaults for these parameters are **monitor** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

3.3.5.4 HOST ALLOW LIST

The Host Allow List can be configured as any of the following combinations:

- 1 to 6 individual IP addresses.
- 1 to 3 ranges of IP addresses.
- A combination of individual and range addresses.

The Administrator simply checks the **Range Yes** radio button next to the group of two IP addresses that constitute the beginning and ending of the range.

3.3.5.5 PING ENABLE / DISABLE

The factory defaults for this parameter is **Enabled**. The radio buttons allow the Administrator to choose between **Enabled** and **Disabled**.

3.3.5.6 CiM-25 IP ADDRESS, GATEWAY AND MASK

The factory defaults for these parameters are **10.6.30.1**, **0.0.0.0**, and **255.255.0.0** respectively. The Administrator can change these as required.

3.3.5.7 DNS SERVERS

The Administrator can assign both a primary and secondary DNS server IP address.

3.3.5.8 SMTP Domain Name and IP Address

The Administrator can assign the SMTP Domain Name and Domain IP Address. This is required if the email feature of the Support Page is to be used.

3.3.5.9 SNMP Trap IP Address

The Administrator can assign up to two SNMP Trap IP addresses.

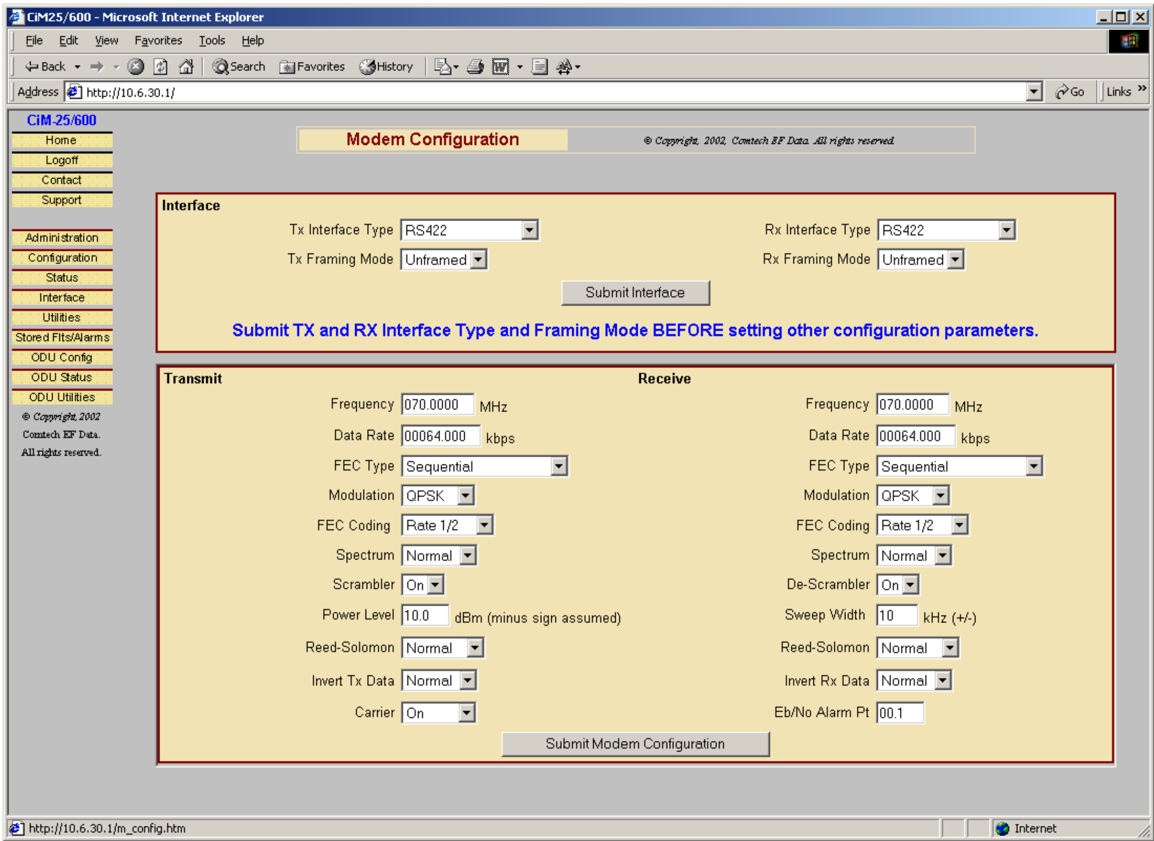
3.3.5.10 MAC Address

This is a READ ONLY parameter and cannot be changed.

3.3.5.11 SNMP Trap Community

The Administrator can assign a SNMP Trap Community. The factory default for this parameter is public. The SNMP Trap Community field can be any combination of characters and a length of 0 - 20 characters.

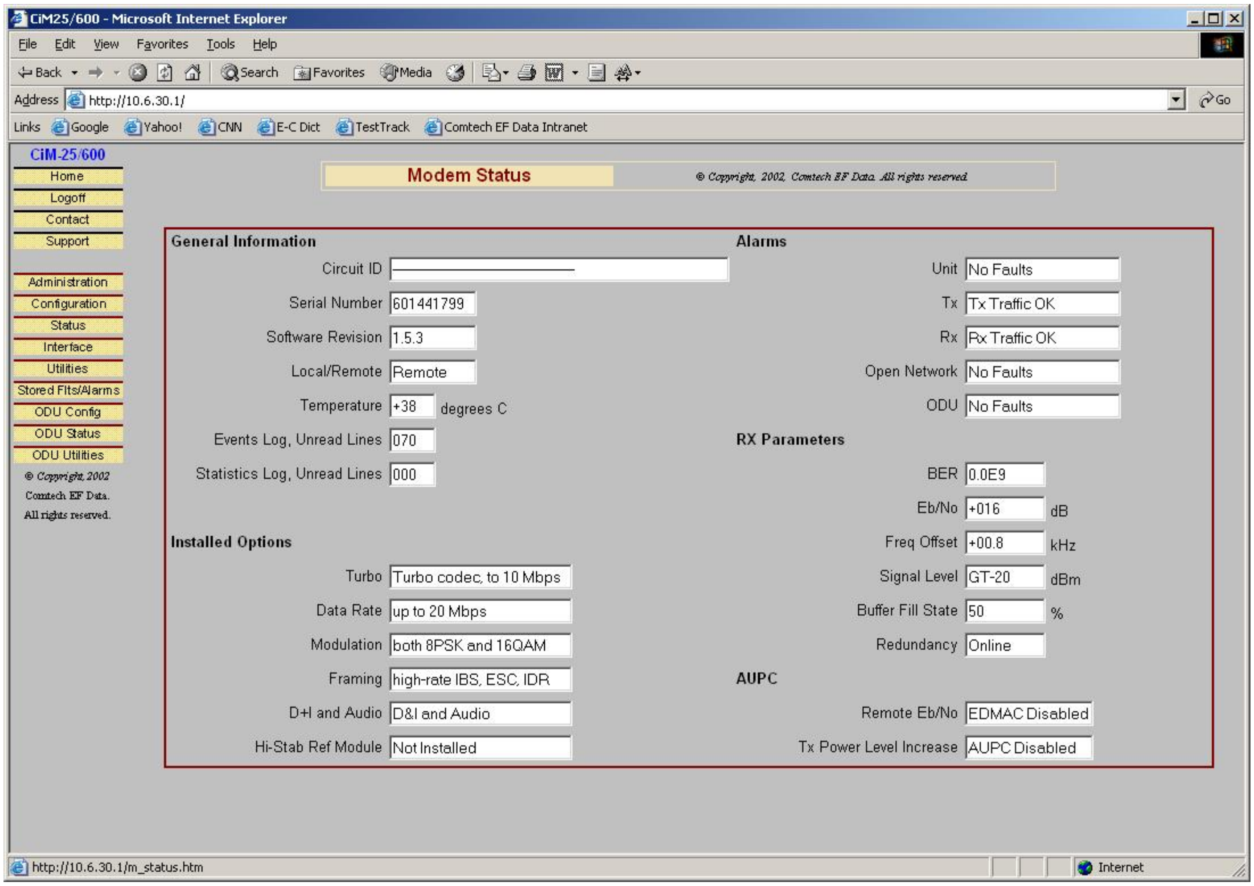
3.3.6 MODEM CONFIGURATION PAGE (RX/TX)



This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the primary Transmit and Receive Parameters of a CDM-600 Modem.

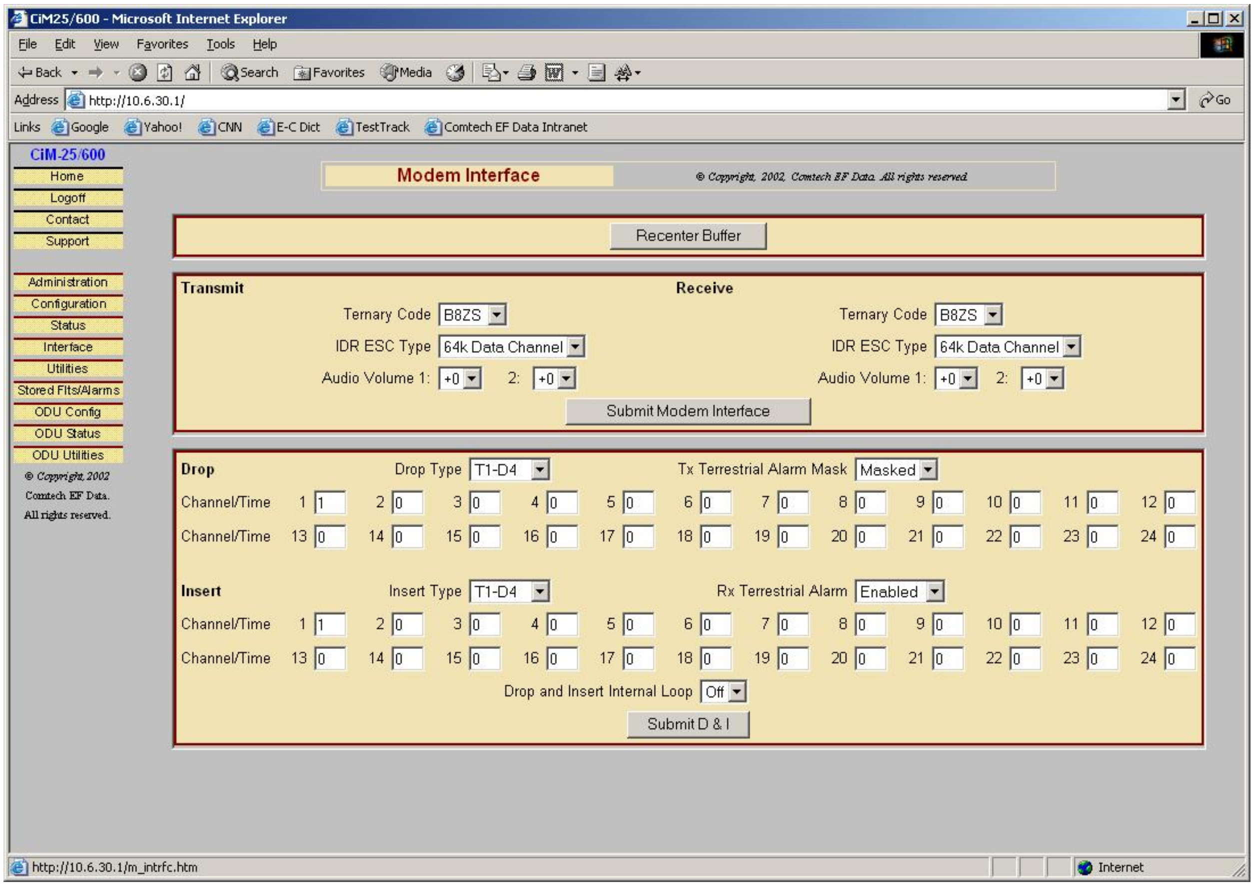
Note: The Tx and Rx interface Type and Frame Module have higher priority than other parameters, and should be configured **before** setting other parameters.

3.3.7 STATUS PAGE



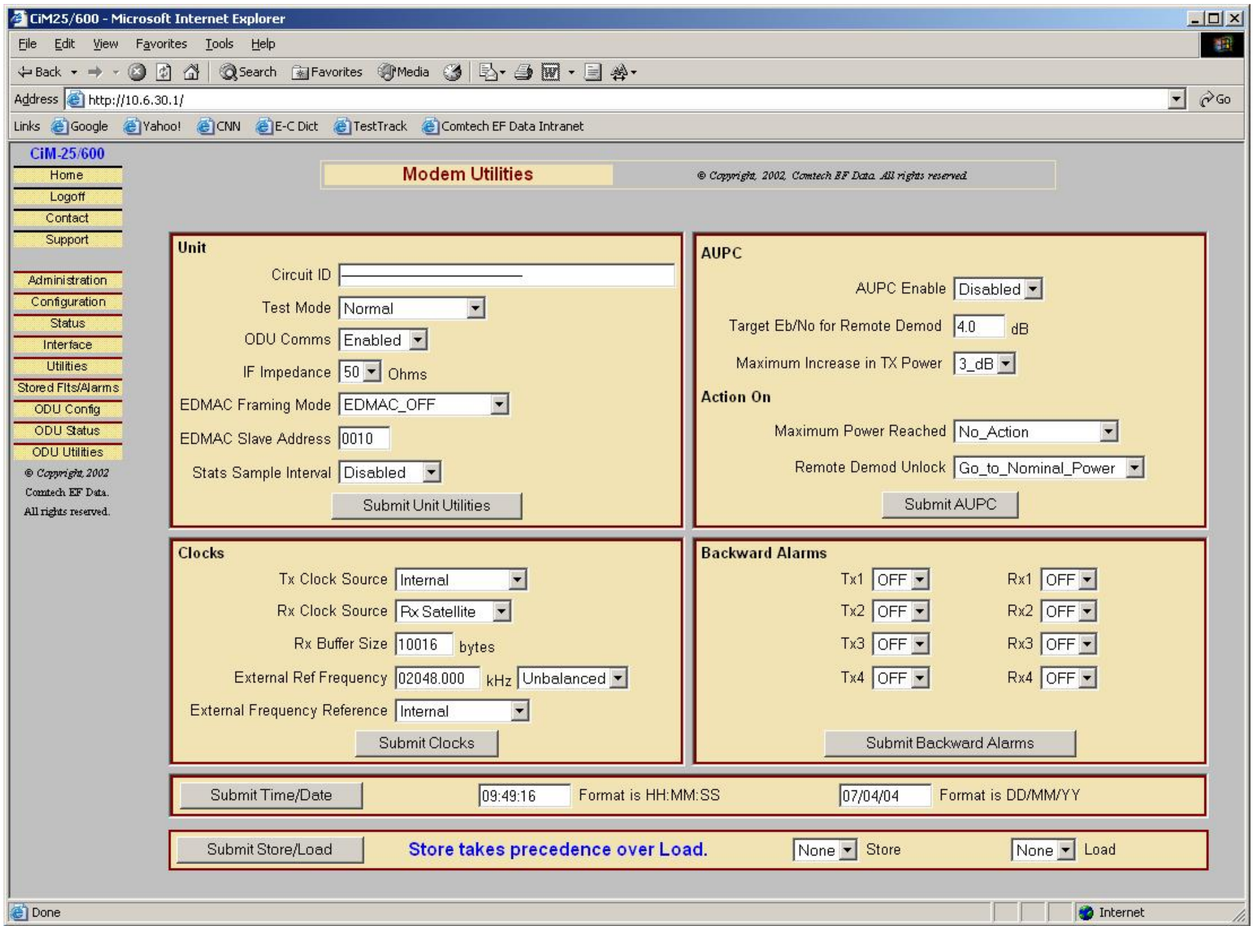
This page can be viewed by all three levels of user login. This is a Read Only Page and has no submit button. This page provides various status information for a CDM-600 Modem.

3.3.8 INTERFACE PARAMETERS PAGE (TX/RX)



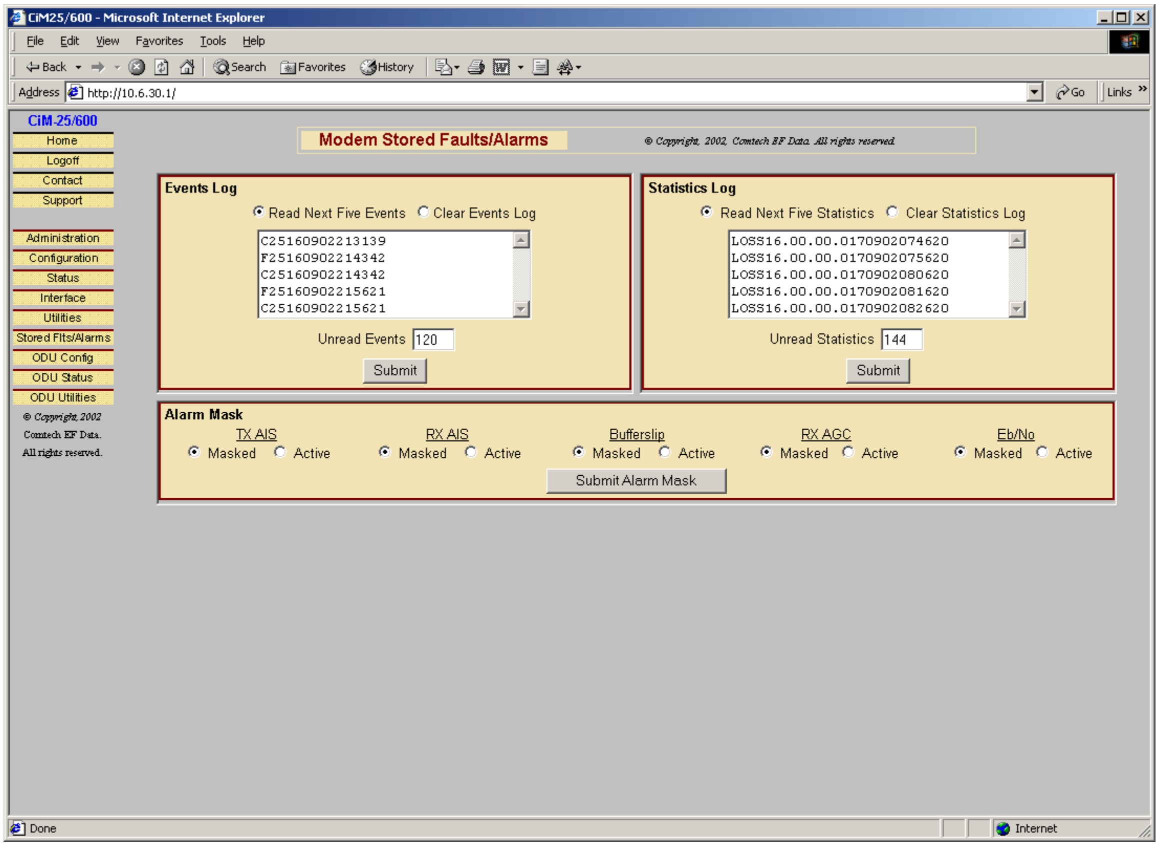
This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the Transmit and Receive Interface Parameters and Drop & Insert parameters of a CDM-600 Modem.

3.3.9 UTILITIES PAGE



This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure various utility functions on a CDM-600 Modem.

3.3.10 STORED FAULTS/ALARMS



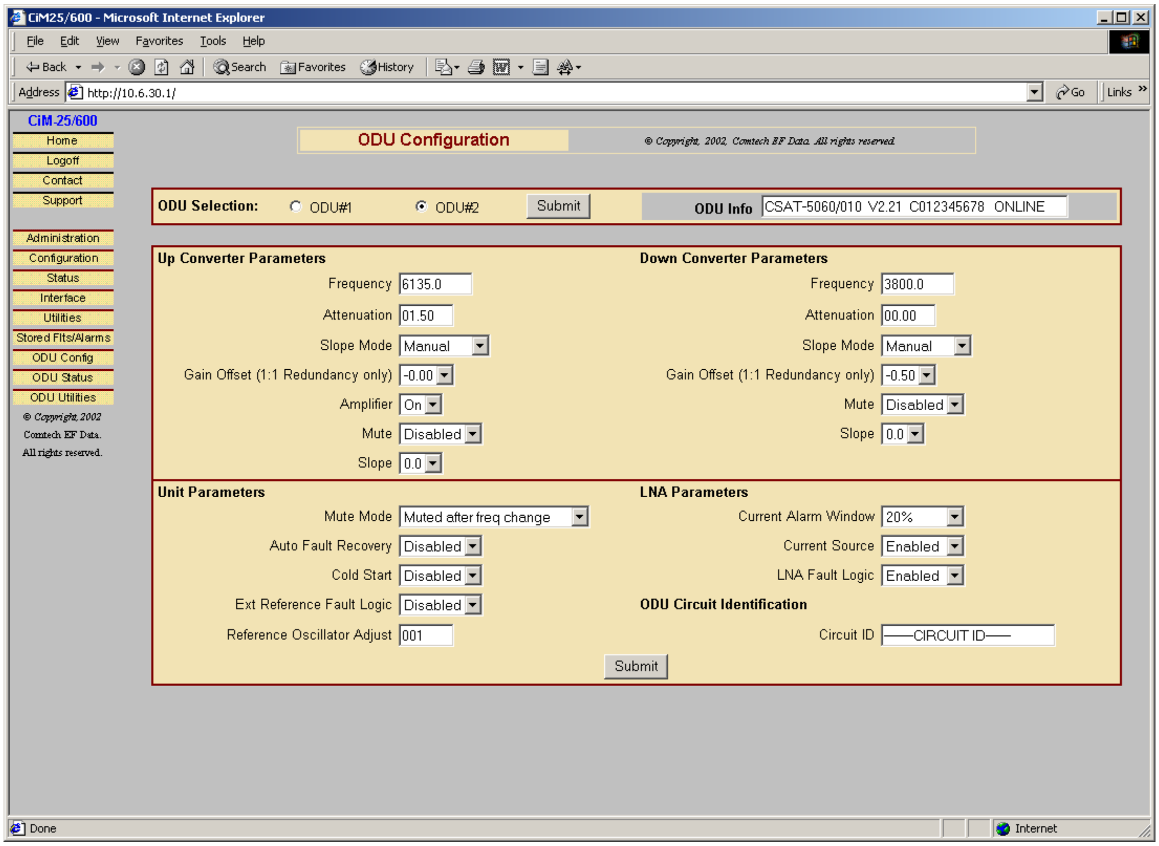
This page can be viewed by all three levels of user login. This is a Read/Write page. This page allows the user to Read/Clear Events Log, Statistics Log, and configure Alarm Masks of the CDM-600 Modem.

3.3.11 CSAT-5060 AND KST-2000A/B ODU PAGES

The CiM-25/600 IP Module can function with CSAT ODU firmware version 2.18 or higher and KST-2000A/B ODU. All ODU pages are accessible only when ODU COMM on the Utilities-Unit page is set to **ENABLED**.

Note: The same three menu options on the left side of the screen capture work for both CSAT and KST ODU. The correct page will be brought out for the correct ODU when the ODU menu is clicked.

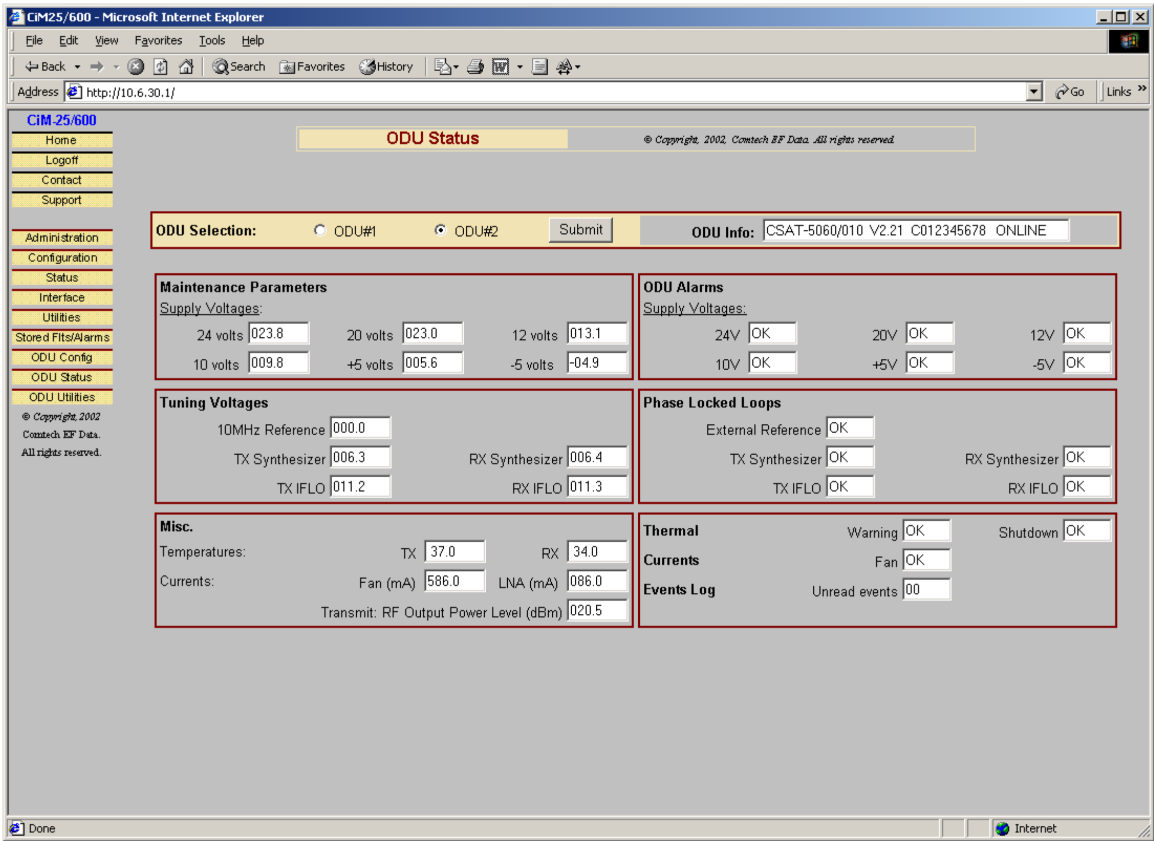
3.3.11.1 CSAT-5060 ODU CONFIGURATION PAGE



This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page. The user can use this page to configure the primary Transmit and Receive Parameters of a CSAT-5060 ODU.

Note: If redundant ODUs are used, the page can be toggled between the Online and Offline units by selecting **ODU #1** or **ODU #2** in the **ODU Selection box** and clicking **Submit**.

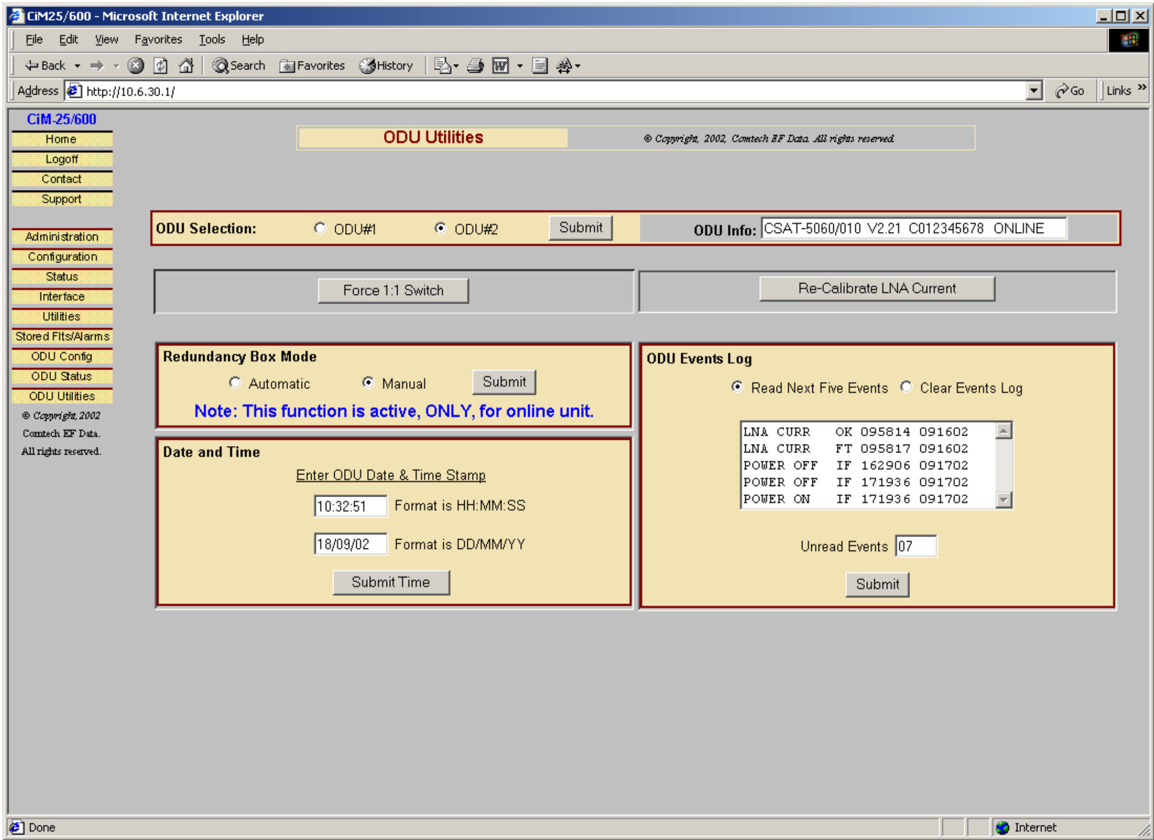
3.3.11.2 CSAT-5060 ODU STATUS PAGE



This page can be viewed by all three levels of user login. This is a Read Only Page and has no submit button for the Status Information. This page provides various status information for a CSAT-5060 ODU.

Note: If redundant ODUs are used, the page can be toggled between the Online and Offline units by selecting **ODU #1** or **ODU #2** in the **ODU Selection box** and clicking **Submit**.

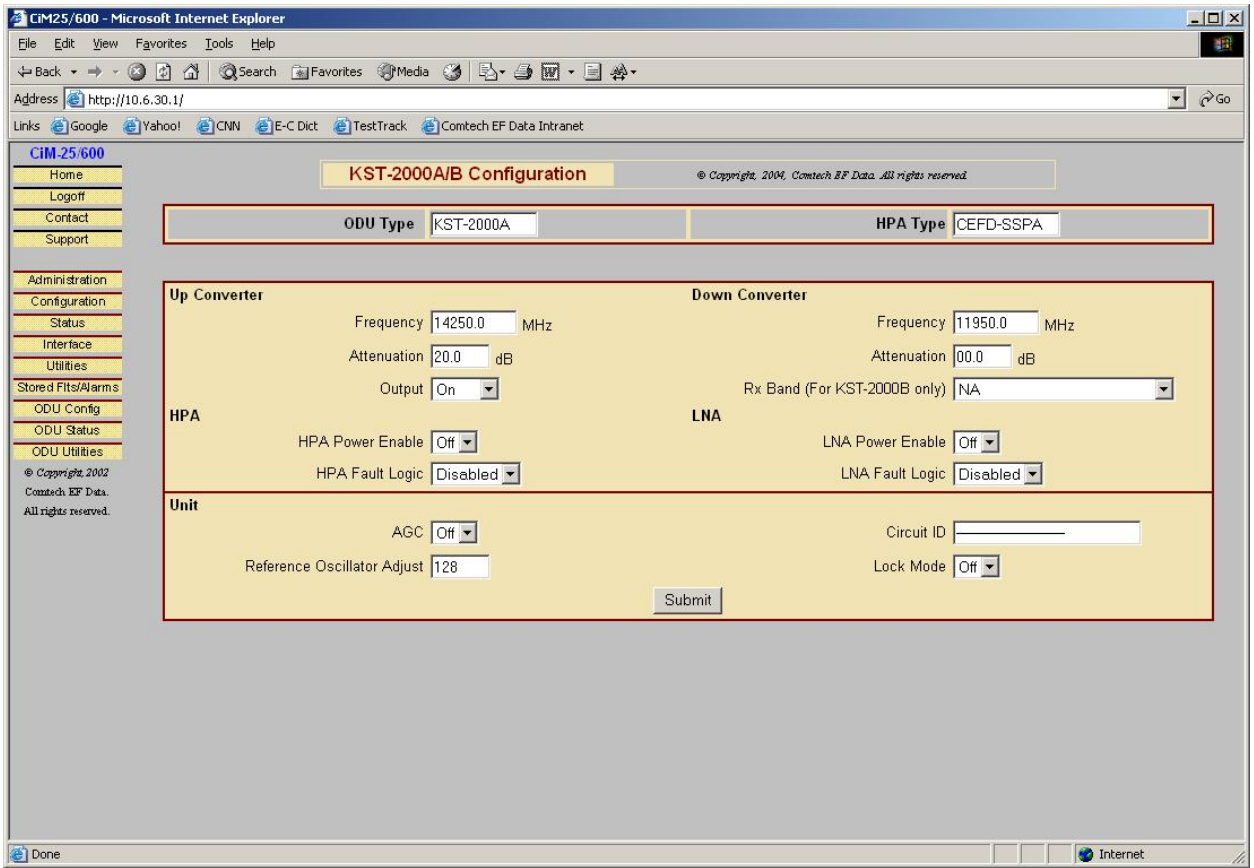
3.3.11.3 CSAT-5060 ODU UTILITIES PAGE



This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page. The user can perform various utility functions on a CSAT-5060 ODU from this page.

Notes: If redundant ODUs are used, the page can be toggled between the Online and Offline units by selecting **ODU #1** or **ODU #2** in the **ODU Selection box** and clicking **Submit**.

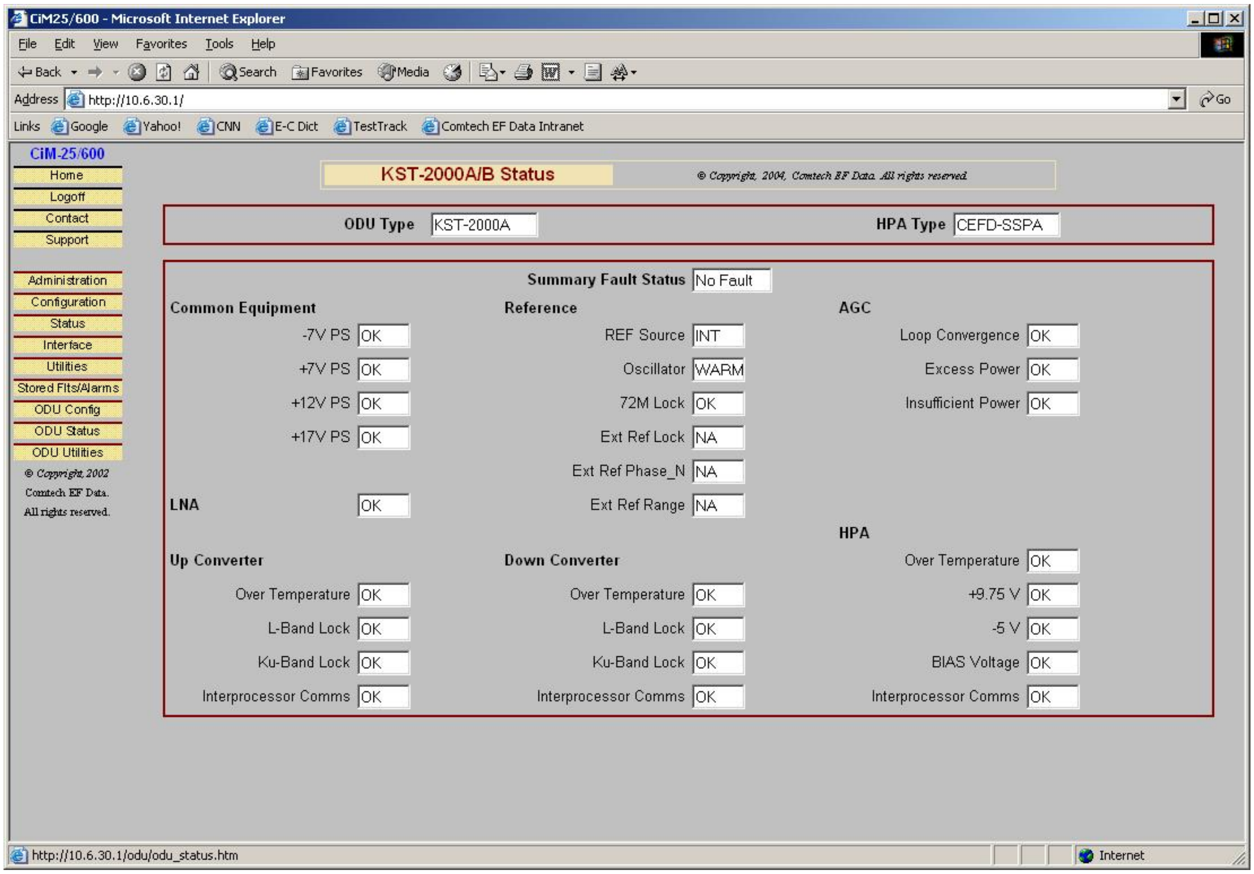
3.3.11.4 KST-2000A/B ODU Configuration Page



This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page.

This page is used to configure the unit parameters, and the primary Transmit and Receive parameters of a KST-2000A/B ODU.

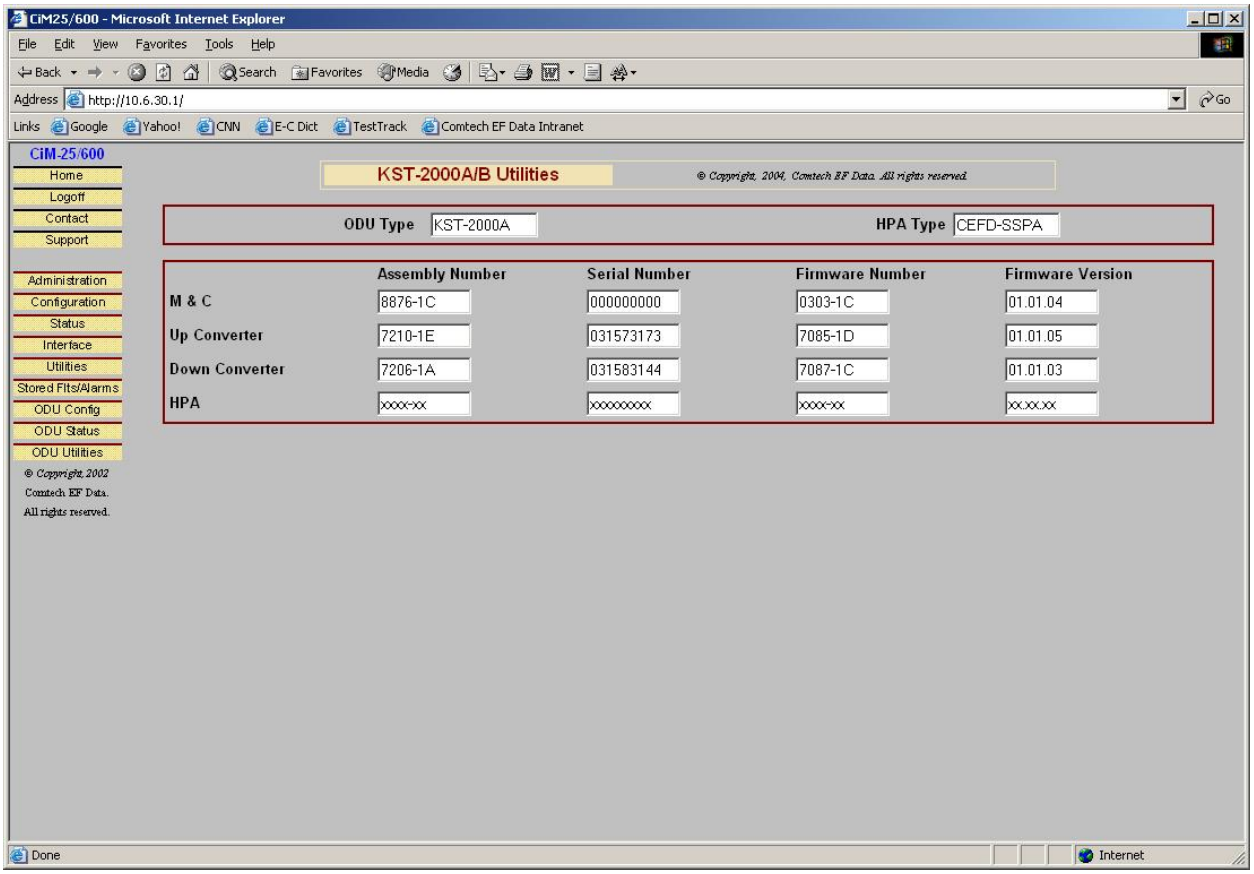
3.3.11.5 KST-2000A/B STATUS PAGE



This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page.

This page provides fault status for a KST-2000A/B ODU.

3.3.11.6 KST-2000A/B UTILITIES PAGE

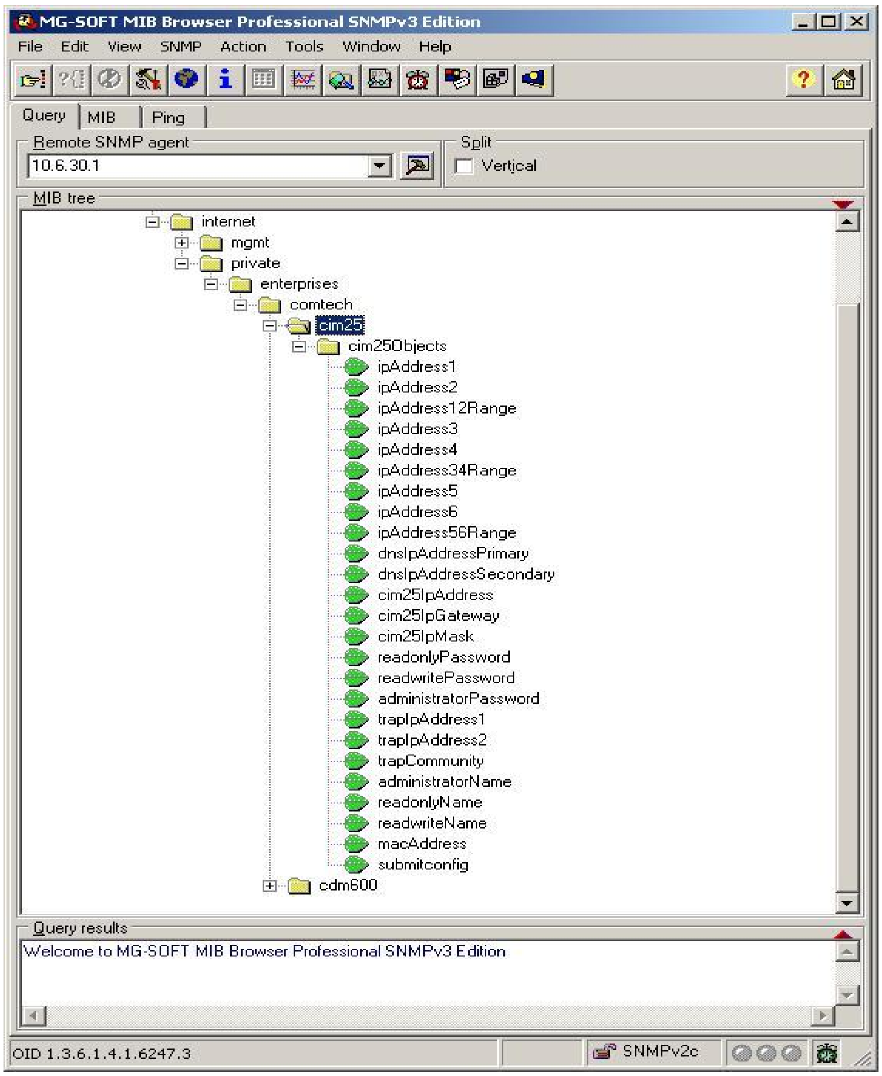


This page can be viewed by all three levels of user login. However, only a user with Administrative or Read/Write privileges can submit changes to this page.

This page provides the firmware number and version, the assembly number and the serial number information of different modules of a KST-2000A/B ODU.

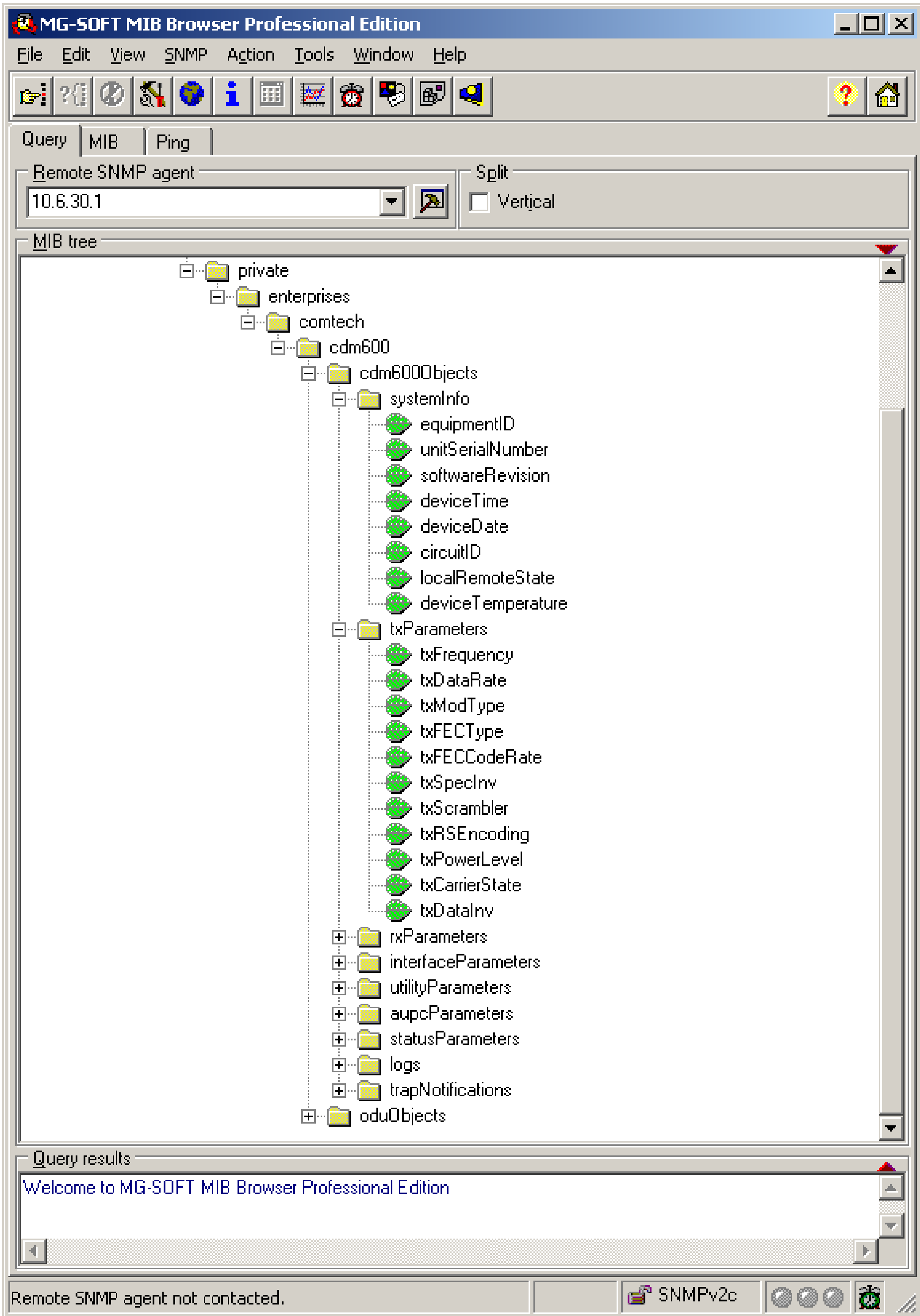
3.4 SNMP INTERFACE

CiM-25 supports v2c of the industry standard SNMP (Simple Network Management Protocol). CiM-25 supports a complete private MIB for the attached equipment as well as a private MIB for the CiM-25 itself. The SNMP interface supports standard **Get** and **Set** as well as **Branch Walking**.

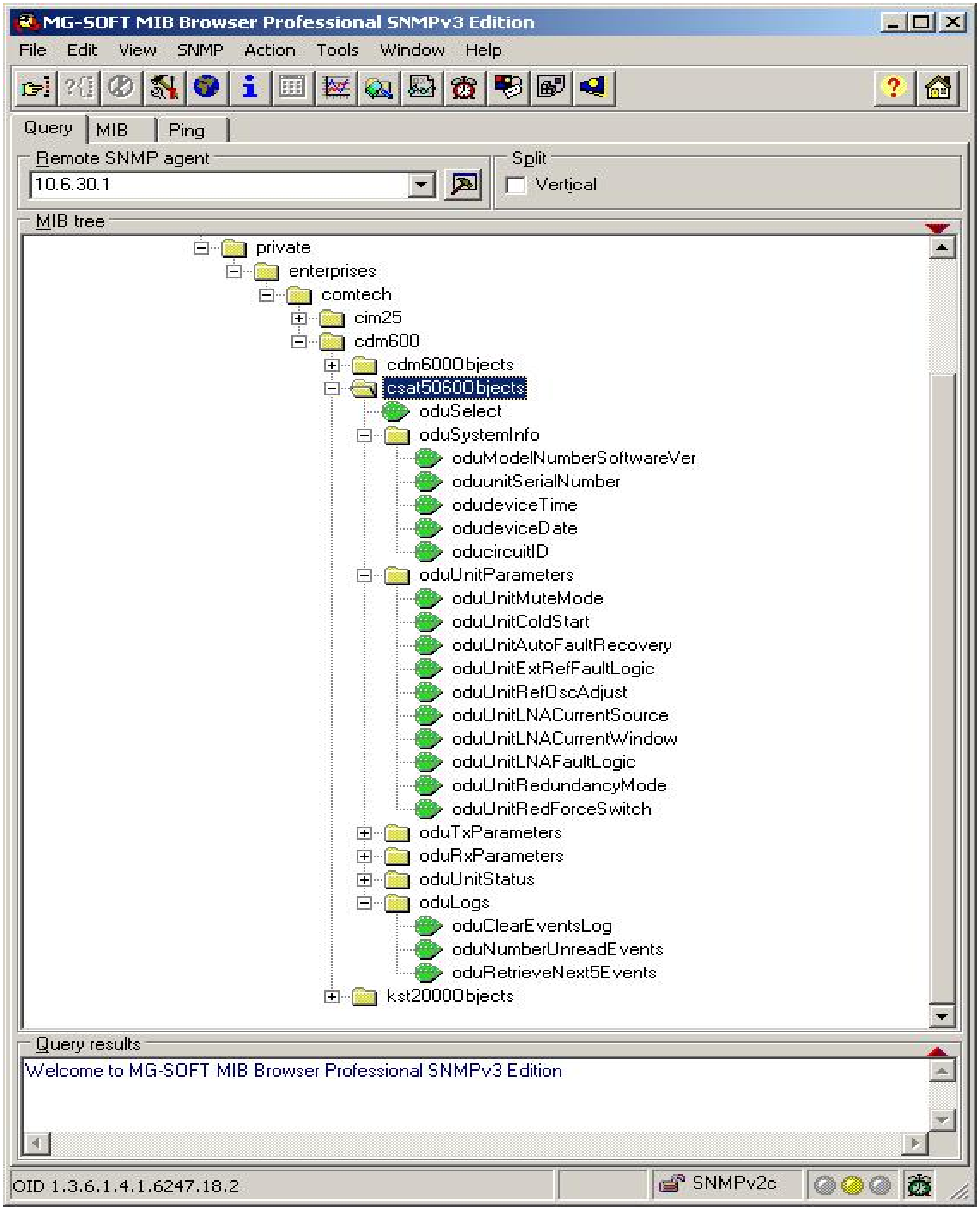


The image above is a screen capture of the CiM-25 MIB structure using a common MIB Browser. The important point here is that all administrative parameters of the CiM-25 are available in its private MIB.

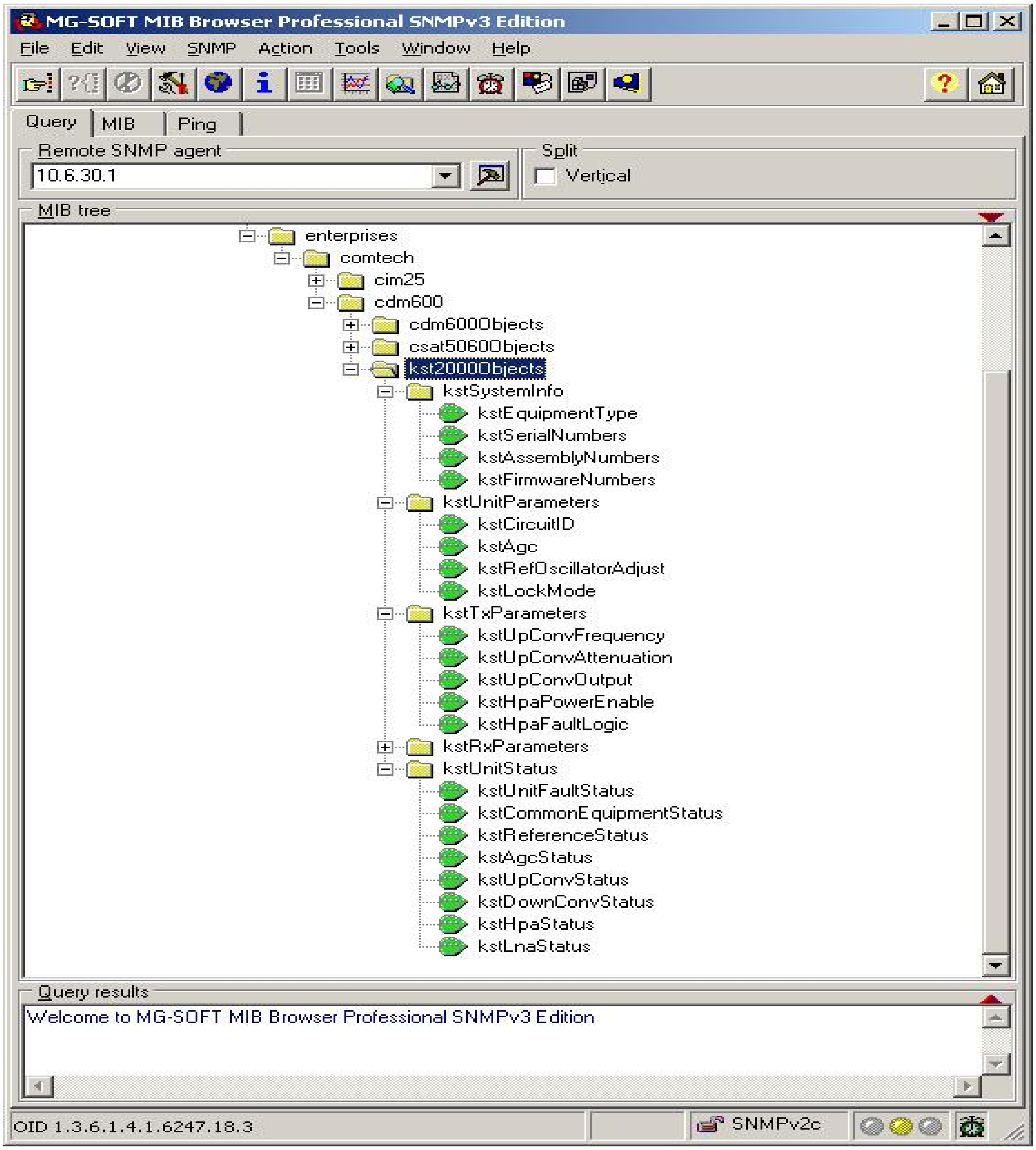
The image below is a screen capture of the CDM-600 MIB using a common MIB Browser. The important point here is that all CDM-600 Controllable Parameters and Status Parameters, Events, and Statistics Log are available in its private CDM-600 MIB.



The image below is a screen capture of the CDM-600 MIB using a common MIB Browser. The important point here is that all CSAT ODU Controllable Parameters and Status Parameters, Events, and Statistics Log are available in its private CDM-600 MIB.



The image below is a screen capture of the CDM-600 MIB using a common MIB Browser. The important point here is that all KST-2000A/B ODU Controllable Parameters and Status Parameters, Events, and Statistics Logs are available in its private CDM-600 MIB.

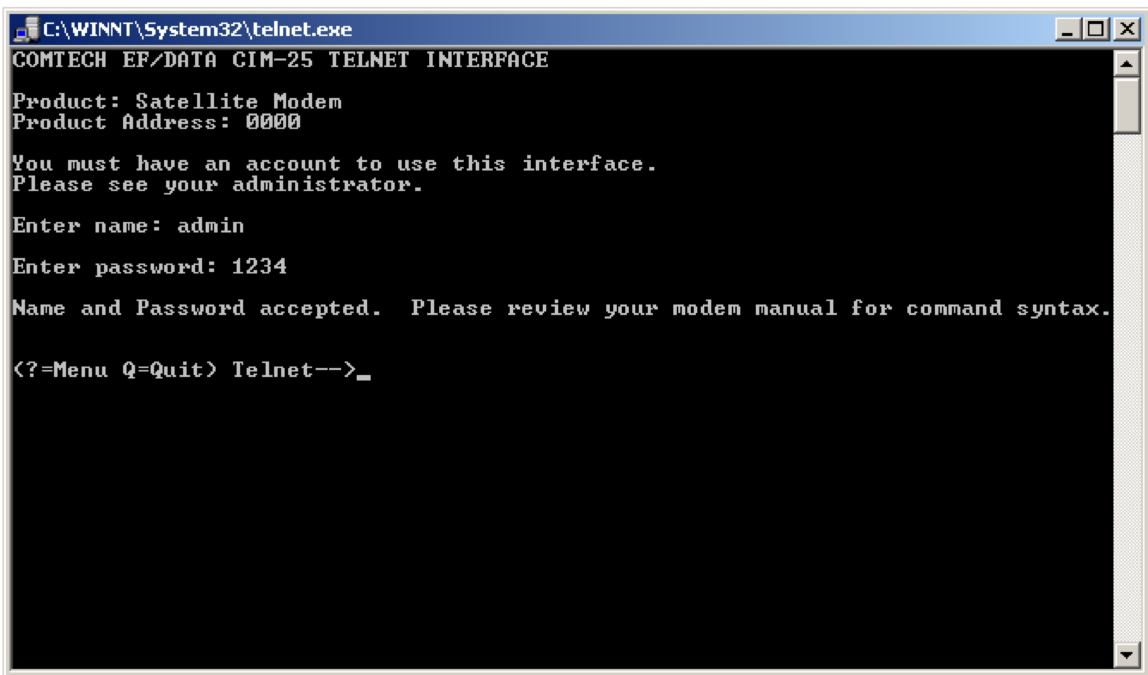


3.5 TELNET INTERFACE

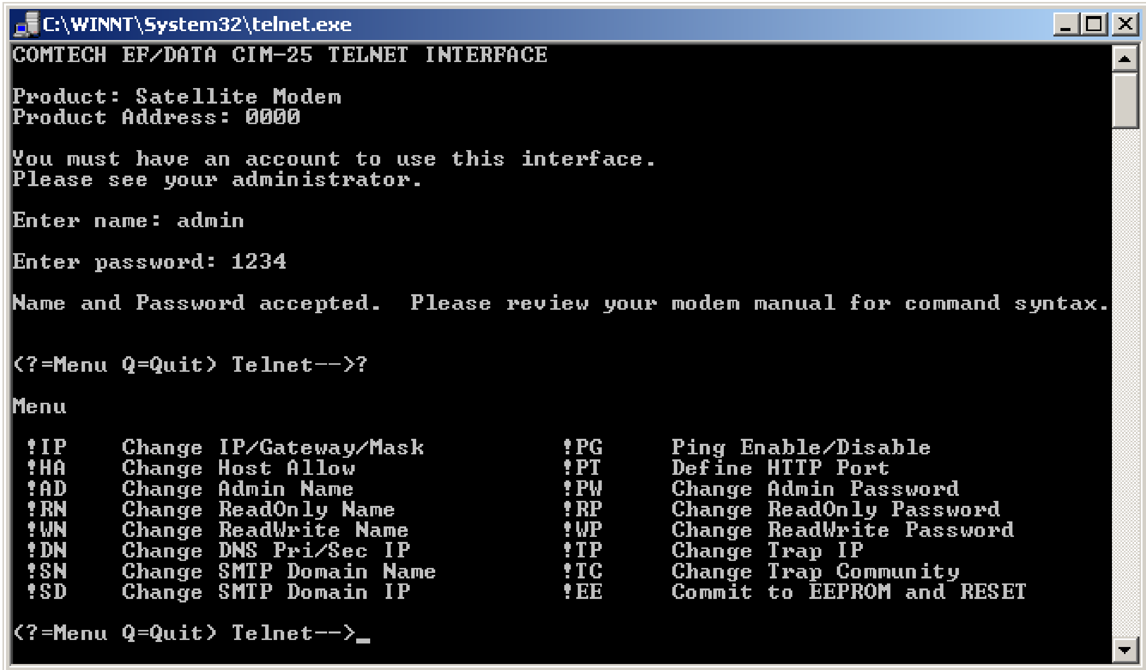
The CiM-25 provides a Telnet interface for three primary functions:

- System Administration.
- Equipment M&C via the standard equipment Remote Control protocol.
- Equipment M&C via Comtech EF Data PC based Monitor and Control applications.

The Telnet interface uses two (2) levels of user login, **Administrator** and **Read/Write**. The screen capture below shows the login process.



Once logged into the CiM-25 Telnet interface as the Administrator, the user can access the built in menu function by typing a **?** (question mark). This menu is only available to the Administrator. The screen capture below shows the functions available via this menu system. Entering any command without any data parameters will cause the CiM-25 to respond with a message that provides the proper formatting requirements for the individual command. Entering any command with a **?** (question mark) as the parameter will cause the CiM-25 to respond with the current **Set** value. Each command will be explained in the following section.



```
C:\WINNT\System32\telnet.exe
COMTECH EF/DATA CIM-25 TELNET INTERFACE

Product: Satellite Modem
Product Address: 0000

You must have an account to use this interface.
Please see your administrator.

Enter name: admin

Enter password: 1234

Name and Password accepted.  Please review your modem manual for command syntax.


<?=Menu Q=Quit> Telnet-->?

Menu

 !IP    Change IP/Gateway/Mask          !PG    Ping Enable/Disable
 !HA    Change Host Allow               !PT    Define HTTP Port
 !AD    Change Admin Name               !PW    Change Admin Password
 !RN    Change ReadOnly Name            !RP    Change ReadOnly Password
 !WN    Change ReadWrite Name           !WP    Change ReadWrite Password
 !DN    Change DNS Pri/Sec IP           !TP    Change Trap IP
 !SN    Change SMTP Domain Name         !TC    Change Trap Community
 !SD    Change SMTP Domain IP           !EE    Commit to EEPROM and RESET

<?=Menu Q=Quit> Telnet-->_
```

3.5.1 TELNET ADMINISTRATIVE FUNCTIONS

3.5.1.1 CHANGE IP ADDRESS, GATEWAY AND MASK

Using the **!IP** command, the Administrator can change the IP Address, IP Gateway, and IP Mask. The command protocol is as follows:

Format: **!IP <ip> <gateway> <mask>**

Example: **!IP 10.6.30.2 10.6.30.255 255.255.0.0**

Query Format: **!IP ?**
Response: **!IP 10.6.30.2 10.6.30.255 255.255.0.0**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.2 CHANGE HOST ALLOW LIST

Using the **!HA** command, the Administrator can modify the Host Allow List. The command protocol is as follows:

Format: **!HA <address index> <ip_address> <ranged>**
Where: address index is 1 to 6, ranged is 0 if No and 1 if yes

Example: **!HA 5 10.50.91.200 0**
This sets IP address #5 to 10.50.91.200 and indicates addresses #5 & #6 are NOT ranged.

Query Format: **!HA ?**
Response: **IP 1: 000.000.000.000 IP 2: 255.255.255.255 Range = yes**
IP 3: 000.000.000.000 IP 4: 000.000.000.000 Range = no
IP 5: 000.000.000.000 IP 6: 000.000.000.000 Range = no

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.3 CHANGE ADMINISTRATOR NAME

Using the **!AD** command, the Administrator can change the Administrator login Name. The command protocol is as follows:

Format: **!AD <string>**
Where: <string> can be any alphanumeric string of 4 to 10 characters in length

Query Format: **!AD ?**
Response: **!AD <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.4 CHANGE ADMINISTRATOR PASSWORD

Using the **!PW** command, the Administrator can change the Administrator login Password. The command protocol is as follows:

Format: **!PW <string>**
Where: <string> can be any alphanumeric string of 4 to 10 characters in length

Query Format: **!PW ?**
Response: **!PW <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.5 CHANGE READ/WRITE NAME

Using the **!WN** command, the Administrator can change the Read/Write login Name. The command protocol is as follows:

Format: **!WN <string>**
Where: <string> can be any alphanumeric string of 4 to 10 characters in length

Query Format: **!WN ?**
Response: **!WN <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.6 CHANGE READ/WRITE PASSWORD

Using the **!WP** command, the Administrator can change the Read/Write login Password. The command protocol is as follows:

Format: **!WP <string>**
Where: <string> can be any alphanumeric string of 4 to 10 characters in length

Query Format: **!WP ?**
Response: **!WP <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.7 CHANGE READ ONLY NAME

Using the **!RN** command, the Administrator can change the Read Only login Name. The command protocol is as follows:

Format: **!RN <string>**
Where: <string> can be any alphanumeric string of 4 to 10 characters in length

Query Format: **!RN ?**
Response: **!RN <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.8 Change Read Only Password

Using the **!RP** command, the Administrator can change the Read/Only login Password. The command protocol is as follows:

Format: **!RP <string>**
Where: <string> can be any alphanumeric string of 4 to 10 characters in length

Query Format: **!RP ?**
Response: **!RP <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.9 Enable or Disable PING

Using the **!PG** command, the Administrator can either enable or disable PING. The command protocol is as follows:

Format: **!PG <state>**
Where: 0 = Disabled, 1 = Enabled

Query Format: **!PG ?**
Response: **!PG <state>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.10 Commit Changes to EEPROM

Using the **!EE** command, the Administrator can commit any previously commanded changes to EEPROM. This will store the new operating parameters and automatically do a warm reboot of the CiM-25/600. The command protocol is as follows:

Format: **!EE**

3.5.1.11 Change Primary/Secondary DNS IP Addresses

Using the **!DN** command, the Administrator can set the primary and secondary DNS IP Addresses. The command protocol is as follows:

Format: **!DN <primary DNS IP Address> <secondary DNS IP Address>**
Response: Command Successful

Query Format: **!DN ?**
Response: **!DN <primary DNS IP Address> <secondary DNS IP Address>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.12 Change SMTP Domain Name

Using the **!SN** command, the Administrator can set the SMTP domain name. The command protocol is as follows:

Format: **!SN <string>**
Response: **Command Successful**
Where: <string> can be any alphanumeric string with a length of 1 to 100 characters.

Note: **disabled** in the <string> field disables SMTP.

Query Format: **!SN ?**
Response: **!SN <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.13 Change SMTP Domain IP Address

Using the **!SD** command, the Administrator can set the SMTP Domain IP Address. The command protocol is as follows:

Format: **!SD <ip_address>**
Response: **Command Successful**

Note: An IP Address of **0.0.0.0** disables SMTP.

Query Format: **!SD ?**
Response: **!SD <ip_address>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.14 Change HTTP Port

Using the **!PT** command, the Administrator can set the HTTP Port. The command protocol is as follows:

Format: **!PT <value>**
Response: **Command Successful**
Where <value> can be any number in the range of 0 to 65535

Query Format: **!PT ?**
Response: **!PT <value>**

Notes:
1. The default port is set to 80.
2. Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.15 Change SNMP Trap Address

Using the **!TP** command, the Administrator can set the SNMP Trap Addresses. The command protocol is as follows:

Format: **!TP <ip_address1> <ip_address2>**
Response: **Command Successful**

Note: An IP Address of **0.0.0.0** disables the trap

Query Format: **!TP ?**
Response: **!TP <ip_address1> <ip_address2>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.16 Change SNMP Trap Community

Using the **!TC** command, the Administrator can set the SNMP Trap Community. The command protocol is as follows:

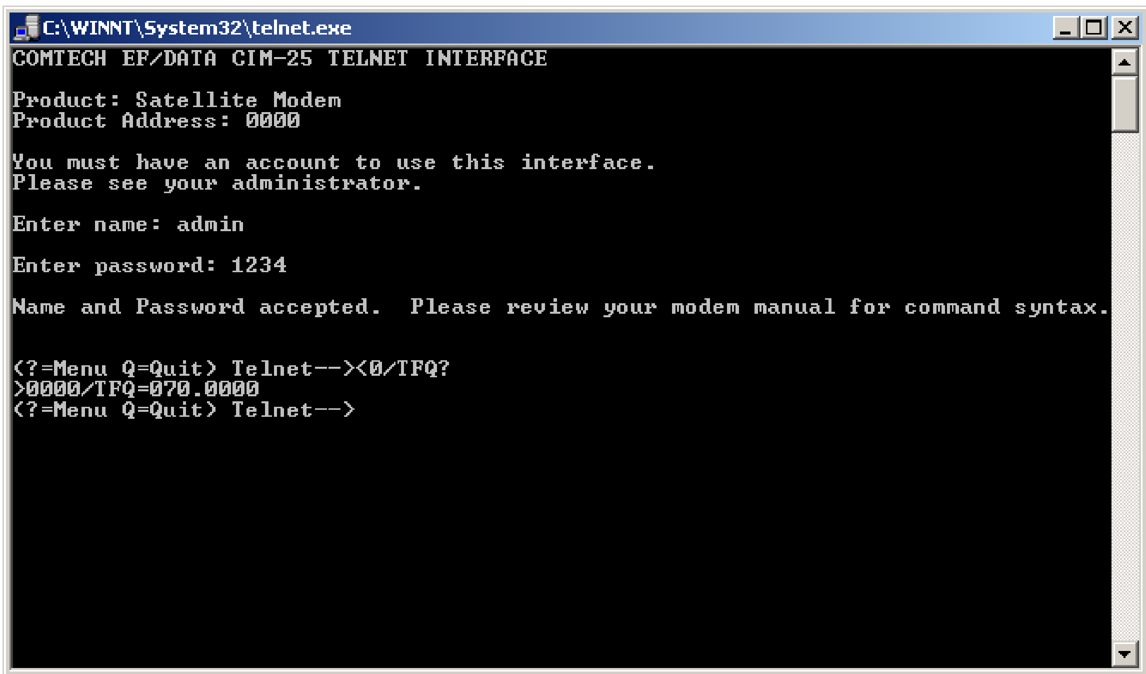
Format: **!TC <string>**
Response: **Command Successful**
where <string> can be 0 - 20 characters

Query Format: **!TC ?**
Response: **!TC <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.2 USING TELNET WITH EQUIPMENT REMOTE CONTROL PROTOCOL

The CiM-25/600 Telnet interface will accept any command defined in the particular interfacing equipment Remote Control Specification. See the equipment Operation Manual for details regarding the available commands and the message protocol. The screen capture below shows an example of how to directly use the equipment's Remote Control Protocol to communicate to the equipment via the Telnet interface.



3.6 MAINTENANCE INTERFACE

The default network configuration settings are:

- IP: **10.6.30.1**
- Admin Name: **admin**
- Admin Password: **1234**

The CiM-25 has been designed to allow a user to reset the unit back to the factory default settings, change the IP Address, and verify the software version. Use the following procedure to make these changes.

Perform the following steps:

1. Disconnect the CiM-25 from both the interfacing equipment and the Ethernet Network.
2. Connect the CiM-25 to the serial port of a PC using a cable defined below (null cable):

   CiM-25 pin 2 to PC pin 3
   CiM-25 pin 3 to PC pin 2
   CiM-25 pin 5 to PC pin 5

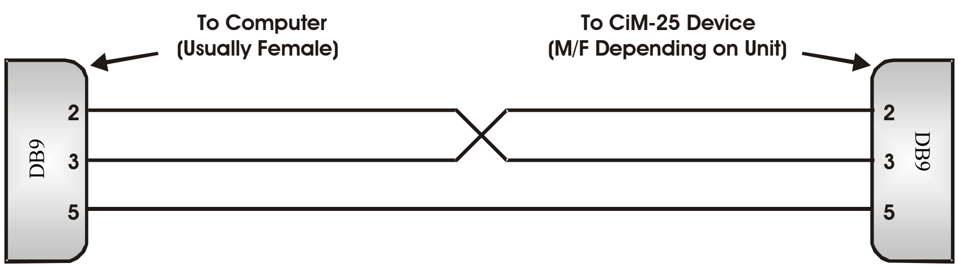


Figure 1. Null Cable Diagram

3. Power the CiM-25 using the Power Jack connector and an external 5 Vdc power supply.
4. Using a Serial Communication application such as Terminal, ProComm, etc., configure the PC's serial port to:

   Baud: **19200**
   Data rate: **8-N-1**

Use the procedures in following sections to:

- Reset to factory network defaults.
- Change network IP Address.
- Verify software version.
- Change MAC Address.
- Change Serial Number.

3.6.1 RESETTING TO FACTORY DEFAULTS

1 Enter the following command:

Command: **<0/RST='cr'**

Response: **>0/RST=**

3.6.2 CHANGING NETWORK IP ADDRESS

Perform the following steps.

1 Enter the following command:

Command: **<0/IPA=xxx.xxx.xxx.xxx/yy'cr'**

Where x is the IP Address and y is the subnet mask.

Response: **>0/IPA=**

Example: **<0/IPA=192.168.001.002/16'cr'**

16 would be a subnet mask of 255.255.0.0

2 To query the IP address enter: **<0/IPA?'cr'**

3.6.3 VERIFYING SOFTWARE VERSION

Perform the following:

1 Enter the following command:

Command: **<0/SWR?'cr'**

Response: **>0/SWR= 1.0.1'cr'**

3.6.4 CHANGING MAC ADDRESS

Perform the following:

1 Enter the following command:

Command: **<0/MAC=xxxxxxxxx'cr'**

Where x is the MAC Address as shown on the label of the CiM-25.

Response: **>0/MAC=**

Example: **>0/MAC=006B0000000A'cr'**

2 To query the MAC Address enter: **>0/MAC?'cr'**

IMPORTANT

1. **The MAC Address is unique to this unit. Change only under factory direction or if it does not match the label.**
2. **Changing the MAC Address to anything other than factory default may result in erratic operation.**

3.6.5 CHANGING SERIAL NUMBER

Perform the following:

1 Enter the following command:

Command: **<0/SNM=xxxxxxxxx'cr'**

Where x is the Serial Number as shown on the label of the CiM-25.

Response: **>0/SNM=**

Example: **>0/SNM=022080125A'cr'**

2 To query the Serial Number enter: **>0/SNM?'cr'**

IMPORTANT

The Serial Number is unique to this unit. Change only under factory direction or if it does not match the label.

Appendix A. CiM-25/600 SNMP Interface

A.1 SNMP INTERFACE

The *Simple Network Management Protocol* (SNMP) is an application-layer protocol designed to facilitate the exchange of management information between network devices. The CiM-25/600 SNMP agent supports SNMP v2c.

A.2 MIB-II

The CiM-25/600 agent implements RFC 1213, Management Information Base for Network Management of TCP/IP-based Internets. This is known as “MIB-II support.” Please refer to RFC 1213 for this definition.

A.3 PRIVATE MIB IMPLEMENTATIONS

The agent also implements two private MIBs for the CiM-25/600. The CiM IP Controller MIB (CiM-25) holds all the security, feature selection, and IP related parameters, and the CDM-600 modem MIB contains all the modem specific parameters.

A.4 CiM-25 MIB TREE

1 - 1 --- iso

2 - 1.3 --- org

3 - 1.3.6 --- dod

4 - 1.3.6.1 --- internet

5 - 1.3.6.1.4 --- private

6 - 1.3.6.1.4.1 --- enterprises

7 - 1.3.6.1.4.1.6247 --- comtech

8 - 1.3.6.1.4.1.6247.3 --- cim25

9 - 1.3.6.1.4.1.6247.3.1 --- cim25Objects

10 - 1.3.6.1.4.1.6247.3.1.1 --- ipAddress1 (IpAddress)

11 - 1.3.6.1.4.1.6247.3.1.2 --- ipAddress2 (IpAddress)

12 - 1.3.6.1.4.1.6247.3.1.3 --- ipAddress12Range (INTEGER)

13 - 1.3.6.1.4.1.6247.3.1.4 --- ipAddress3 (IpAddress)

14 - 1.3.6.1.4.1.6247.3.1.5 --- ipAddress4 (IpAddress)

15 - 1.3.6.1.4.1.6247.3.1.6 --- ipAddress34Range (INTEGER)

16 - 1.3.6.1.4.1.6247.3.1.7 --- ipAddress5 (IpAddress)

17 - 1.3.6.1.4.1.6247.3.1.8 --- ipAddress6 (IpAddress)

18 - 1.3.6.1.4.1.6247.3.1.9 --- ipAddress56Range (INTEGER)

19 - 1.3.6.1.4.1.6247.3.1.10 --- dnsIpAddressPrimary (IpAddress)

20 - 1.3.6.1.4.1.6247.3.1.11 --- dnsIpAddressSecondary (IpAddress)

21 - 1.3.6.1.4.1.6247.3.1.12 --- cim25IpAddress (IpAddress)

22 - 1.3.6.1.4.1.6247.3.1.13 --- cim25IpGateway (IpAddress)

23 - 1.3.6.1.4.1.6247.3.1.14 --- cim25IpMask (IpAddress)

24 - 1.3.6.1.4.1.6247.3.1.15 --- readonlyPassword (OCTET STRING)

25 - 1.3.6.1.4.1.6247.3.1.16 --- readwritePassword (OCTET STRING)

26 - 1.3.6.1.4.1.6247.3.1.17 --- administratorPassword (OCTET STRING)

27 - 1.3.6.1.4.1.6247.3.1.18 --- trapIpAddress1 (IpAddress)

28 - 1.3.6.1.4.1.6247.3.1.19 --- trapIpAddress2 (IpAddress)

29 - 1.3.6.1.4.1.6247.3.1.20 --- trapCommunity (OCTET STRING)

30 - 1.3.6.1.4.1.6247.3.1.21 --- administratorName (OCTET STRING)

31 - 1.3.6.1.4.1.6247.3.1.22 --- readonlyName (OCTET STRING)

32 - 1.3.6.1.4.1.6247.3.1.23 --- readwriteName (OCTET STRING)

33 - 1.3.6.1.4.1.6247.3.1.24 --- macAddress (OCTET STRING)

34 - 1.3.6.1.4.1.6247.3.1.25 --- submitconfig (INTEGER)

A.5 CiM-25 MIB

A.5.1 ISO

Name	iso
OID	1
Full path	iso(1)
Module	SNMPv2-SMI
Child	org
Type	OBJECT-IDENTIFIER

A.5.2 ORG

Name	org
OID	1.3
Full path	iso(1).org(3)
Module	SNMPv2-SMI
Parent	iso
Child	dod
Type	OBJECT-IDENTIFIER

A.5.3 DOD

Name	dod
OID	1.3.6
Full path	iso(1).org(3).dod(6)
Module	SNMPv2-SMI
Parent	org
Child	internet
Type	OBJECT-IDENTIFIER

A.5.4 INTERNET

Name	internet
OID	1.3.6.1
Full path	iso(1).org(3).dod(6).internet(1)
Module	SNMPv2-SMI
Parent	dod
Child	private
Type	OBJECT-IDENTIFIER

A.5.5 PRIVATE

Name	private
OID	1.3.6.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4)
Module	CIM25
Parent	internet
Child	enterprises
Type	OBJECT-IDENTIFIER

A.5.6 ENTERPRISES

Name	enterprises
OID	1.3.6.1.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1)
Module	CIM25
Parent	private
Child	comtech
Type	OBJECT-IDENTIFIER

A.5.7 COMTECH

Name	comtech
OID	1.3.6.1.4.1.6247
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247)
Module	CIM25
Parent	enterprises
Child	cim25
Type	OBJECT-IDENTIFIER

A.5.8 CIM25

Name	cim25
OID	1.3.6.1.4.1.6247.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3)
Module	CIM25
Parent	comtech
Child	cim25Objects
Type	OBJECT-IDENTIFIER

A.5.9 CIM25OBJECTS

Name	cim25Objects
OID	1.3.6.1.4.1.6247.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1)
Module	CIM25
Parent	cim25
Child	ipAddress1
Type	OBJECT-IDENTIFIER

A.5.10 IPADDRESS1

Name	ipAddress1
OID	1.3.6.1.4.1.6247.3.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress1(1)
Module	CIM25
Parent	cim25Objects
Next sibling	ipAddress2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 1 or IP Address 1 Start Range.

A.5.11 IPADDRESS2

Name	ipAddress2
OID	1.3.6.1.4.1.6247.3.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress2(2)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress1
Next sibling	ipAddress12Range
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 2 or IP Address 1 End Range.

A.5.12 IPADDRESS12RANGE

Name	ipAddress12Range
OID	1.3.6.1.4.1.6247.3.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress12Range(3)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress2
Next sibling	ipAddress3
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	no(0)
2	yes(1)
Description	Range or Individual for IP Address 1 and 2.

A.5.13 IPADDRESS3

Name	ipAddress3
OID	1.3.6.1.4.1.6247.3.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress3(4)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress12Range
Next sibling	ipAddress4
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 3 or IP Address 2 Start Range.

A.5.14 IPADDRESS4

Name	ipAddress4
OID	1.3.6.1.4.1.6247.3.1.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress4(5)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress3
Next sibling	ipAddress34Range
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 4 or IP Address 2 End Range.

A.5.15 IPADDRESS34RANGE

Name	ipAddress34Range
OID	1.3.6.1.4.1.6247.3.1.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress34Range(6)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress4
Next sibling	ipAddress5
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	no(0)
2	yes(1)
Description	Range or Individual for IP Address 3 and 4.

A.5.16 ipAddress5

Name	ipAddress5
OID	1.3.6.1.4.1.6247.3.1.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress5(7)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress34Range
Next sibling	ipAddress6
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 5 or IP Address 3 Start Range.

A.5.17 ipAddress6

Name	ipAddress6
OID	1.3.6.1.4.1.6247.3.1.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress6(8)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress5
Next sibling	ipAddress56Range
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 6 or IP Address 3 End Range.

A.5.18 IPADDRESS56RANGE

Name	ipAddress56Range
OID	1.3.6.1.4.1.6247.3.1.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress56Range(9)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress6
Next sibling	dnsIpAddressPrimary
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	no(0)
2	yes(1)
Description	Range or Individual for IP Address 5 and 6.

A.5.19 DNSIPADDRESSPRIMARY

Name	dnsIpAddressPrimary
OID	1.3.6.1.4.1.6247.3.1.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).dnsIpAddressPrimary(10)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress56Range
Next sibling	dnsIpAddressSecondary
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Primary DNS IP Address.

A.5.20 DNSIPADDRESSSECONDARY

Name	dnsIpAddressSecondary
OID	1.3.6.1.4.1.6247.3.1.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).dnsIpAddressSecondary(11)
Module	CIM25
Parent	cim25Objects
Prev sibling	dnsIpAddressPrimary
Next sibling	cim25IpAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Secondary DNS IP Address.

A.5.21 CIM25IPADDRESS

Name	cim25IpAddress
OID	1.3.6.1.4.1.6247.3.1.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).cim25IpAddress(12)
Module	CIM25
Parent	cim25Objects
Prev sibling	dnsIpAddressSecondary
Next sibling	cim25IpGateway
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	CiM 25 IP Address.

A.5.22 CIM25IPGATEWAY

Name	cim25IpGateway
OID	1.3.6.1.4.1.6247.3.1.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).cim25IpGateway(13)
Module	CIM25
Parent	cim25Objects
Prev sibling	cim25IpAddress
Next sibling	cim25IpMask
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	CiM 25 IP Gateway

A.5.23 CIM25IPMASK

Name	cim25IpMask
OID	1.3.6.1.4.1.6247.3.1.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).cim25IpMask(14)
Module	CIM25
Parent	cim25Objects
Prev sibling	cim25IpGateway
Next sibling	readonlyPassword
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	CiM25 IP Mask.

A.5.24 READONLYPASSWORD

Name	readonlyPassword
OID	1.3.6.1.4.1.6247.3.1.15
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readonlyPassword(15)
Module	CIM25
Parent	cim25Objects
Prev sibling	cim25IpMask
Next sibling	readwritePassword
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4..10
Description	Read-Only Password.

A.5.25 READWRITEPASSWORD

Name	readwritePassword
OID	1.3.6.1.4.1.6247.3.1.16
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).readwritePassword(16)
Module	CIM25
Parent	cim25Objects
Prev sibling	readonlyPassword
Next sibling	administratorPassword
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4..10
Description	Read-Write Password.

A.5.26 ADMINISTRATORPASSWORD

Name	administratorPassword
OID	1.3.6.1.4.1.6247.3.1.17
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).administratorPassword(17)
Module	CIM25
Parent	cim25Objects
Prev sibling	readwritePassword
Next sibling	trapIpAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4..10
Description	Administrator Password.

A.5.27 TRAPIPADDRESS1

Name	trapIpAddress1
OID	1.3.6.1.4.1.6247.3.1.18
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).trapIpAddress1(18)
Module	CIM25
Parent	cim25Objects
Prev sibling	administratorPassword
Next sibling	trapIpAddress2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Trap IP Address 1.

A.5.28 TRAPIPADDRESS 2

Name	trapIpAddress2
OID	1.3.6.1.4.1.6247.3.1.19
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).trapIpAddress2(19)
Module	CIM25
Parent	cim25Objects
Prev sibling	trapIpAddress1
Next sibling	trapCommunity
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Trap IP Address 2.

A.5.29 TRAPCOMMUNITY

Name	trapCommunity
OID	1.3.6.1.4.1.6247.3.1.19
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).trapCommunity(19)
Module	CIM25
Parent	cim25Objects
Prev sibling	trapIpAddress
Next sibling	administratorName
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	0..20
Description	Trap Community.

A.5.30 ADMINISTRATORNAME

Name	administratorName
OID	1.3.6.1.4.1.6247.3.1.20
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).administratorName(20)
Module	CIM25
Parent	cim25Objects
Prev sibling	trapCommunity
Next sibling	readonlyName
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	5..10
Description	Administrator User Name.

A.5.31 READONLYNAME

Name	readonlyName
OID	1.3.6.1.4.1.6247.3.1.21
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readonlyName(21)
Module	CIM25
Parent	cim25Objects
Prev sibling	administratorName
Next sibling	readwriteName
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	5..10
Description	Read-Only User Name.

A.5.32 READWRITENAME

Name	readwriteName
OID	1.3.6.1.4.1.6247.3.1.22
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readwriteName(22)
Module	CIM25
Parent	cim25Objects
Prev sibling	readonlyName
Next sibling	macAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	5..10
Description	Read-Write User Name.

A.5.33 MACADDRESS

Name	macAddress
OID	1.3.6.1.4.1.6247.3.1.23
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).macAddress(23)
Module	CIM25
Parent	cim25Objects
Prev sibling	readwriteName
Next sibling	submitconfig
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	12
Description	MAC Address.

A.5.34 SUBMITCONFIG

Name	submitconfig
OID	1.3.6.1.4.1.6247.3.1.24
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).submitconfig(24)
Module	CIM25
Parent	cim25Objects
Prev sibling	macAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	submit(1)
Description	Submit changes in CiM 25 Configuration

A.6 CDM-600 MIB TREE:

1 - 1 --- iso

2 - 1.3 --- org

3 - 1.3.6 --- dod

4 - 1.3.6.1 --- internet

5 - 1.3.6.1.4 --- private

6 - 1.3.6.1.4.1 --- enterprises

7 - 1.3.6.1.4.1.6247 --- comtech

8 - 1.3.6.1.4.1.6247.18 --- cdm600

9 - 1.3.6.1.4.1.6247.18.1 --- cdm600Objects

10 - 1.3.6.1.4.1.6247.18.1.1 --- systemInfo

11 - 1.3.6.1.4.1.6247.18.1.1.1 --- equipmentID (OCTET STRING)

12 - 1.3.6.1.4.1.6247.18.1.1.2 --- unitSerialNumber (OCTET STRING)

13 - 1.3.6.1.4.1.6247.18.1.1.3 --- softwareRevision (OCTET STRING)

14 - 1.3.6.1.4.1.6247.18.1.1.4 --- deviceTime (OCTET STRING)

15 - 1.3.6.1.4.1.6247.18.1.1.5 --- deviceDate (OCTET STRING)

16 - 1.3.6.1.4.1.6247.18.1.1.6 --- circuitID (OCTET STRING)

17 - 1.3.6.1.4.1.6247.18.1.1.7 --- localRemoteState (INTEGER)

18 - 1.3.6.1.4.1.6247.18.1.1.8 --- deviceTemperature (INTEGER)

19 - 1.3.6.1.4.1.6247.18.1.2 --- txParameters

20 - 1.3.6.1.4.1.6247.18.1.2.1 --- txFrequency (INTEGER)

21 - 1.3.6.1.4.1.6247.18.1.2.2 --- txDataRate (INTEGER)

22 - 1.3.6.1.4.1.6247.18.1.2.3 --- txModType (INTEGER)

23 - 1.3.6.1.4.1.6247.18.1.2.4 --- txFECType (INTEGER)

24 - 1.3.6.1.4.1.6247.18.1.2.5 --- txFECCodeRate (INTEGER)

25 - 1.3.6.1.4.1.6247.18.1.2.6 --- txSpecInv (INTEGER)

26 - 1.3.6.1.4.1.6247.18.1.2.7 --- txScrambler (INTEGER)

27 - 1.3.6.1.4.1.6247.18.1.2.8 --- txRSEncoding (INTEGER)

28 - 1.3.6.1.4.1.6247.18.1.2.9 --- txPowerLevel (INTEGER)

29 - 1.3.6.1.4.1.6247.18.1.2.10 --- txCarrierState (INTEGER)

30 - 1.3.6.1.4.1.6247.18.1.2.11 --- txDataInv (INTEGER)

31 - 1.3.6.1.4.1.6247.18.1.3 --- rxParameters

32 - 1.3.6.1.4.1.6247.18.1.3.1 --- rxFrequency (INTEGER)

33 - 1.3.6.1.4.1.6247.18.1.3.2 --- rxDataRate (INTEGER)

34 - 1.3.6.1.4.1.6247.18.1.3.3 --- rxDemodType (INTEGER)

35 - 1.3.6.1.4.1.6247.18.1.3.4 --- rxFECType (INTEGER)

36 - 1.3.6.1.4.1.6247.18.1.3.5 --- rxFECCodeRate (INTEGER)

37 - 1.3.6.1.4.1.6247.18.1.3.6 --- rxSpecInv (INTEGER)

38 - 1.3.6.1.4.1.6247.18.1.3.7 --- rxDescrambler (INTEGER)

39 - 1.3.6.1.4.1.6247.18.1.3.8 --- rxRSDecoding (INTEGER)

40 - 1.3.6.1.4.1.6247.18.1.3.9 --- rxDataInv (INTEGER)

41 - 1.3.6.1.4.1.6247.18.1.3.10 --- rxAcqSweepRange (INTEGER)

42 - 1.3.6.1.4.1.6247.18.1.3.11 --- rxEbnoAlarmPoint (INTEGER)

43 - 1.3.6.1.4.1.6247.18.1.4 --- interfaceParameters

44 - 1.3.6.1.4.1.6247.18.1.4.1 --- ifImpedance (INTEGER)

45 - 1.3.6.1.4.1.6247.18.1.4.2 --- txInterfaceType (INTEGER)

46 - 1.3.6.1.4.1.6247.18.1.4.3 --- rxInterfaceType (INTEGER)

47 - 1.3.6.1.4.1.6247.18.1.4.4 --- txFramingMode (INTEGER)

48 - 1.3.6.1.4.1.6247.18.1.4.5 --- rxFramingMode (INTEGER)

49 - 1.3.6.1.4.1.6247.18.1.4.6 --- txClockSource (INTEGER)

50 - 1.3.6.1.4.1.6247.18.1.4.7 --- rxClockSource (INTEGER)

51 - 1.3.6.1.4.1.6247.18.1.4.8 --- rxBufferSize (INTEGER)

52 - 1.3.6.1.4.1.6247.18.1.4.9 --- externalClock (OCTET STRING)

53 - 1.3.6.1.4.1.6247.18.1.4.10 --- externalReference (INTEGER)

54 - 1.3.6.1.4.1.6247.18.1.4.11 --- txTernaryCode (INTEGER)

55 - 1.3.6.1.4.1.6247.18.1.4.12 --- rxTernaryCode (INTEGER)

56 - 1.3.6.1.4.1.6247.18.1.4.13 --- idrTxESCType (INTEGER)

57 - 1.3.6.1.4.1.6247.18.1.4.14 --- idrRxESCType (INTEGER)

58 - 1.3.6.1.4.1.6247.18.1.4.15 --- txAudioVolume (OCTET STRING)

59 - 1.3.6.1.4.1.6247.18.1.4.16 --- rxAudioVolume (OCTET STRING)

60 - 1.3.6.1.4.1.6247.18.1.4.17 --- dropAndInsert (OCTET STRING)

61 - 1.3.6.1.4.1.6247.18.1.4.18 --- txTerrestrialAlarmMask (INTEGER)

62 - 1.3.6.1.4.1.6247.18.1.4.19 --- rxTerrestrialAlarmEnable (INTEGER)

63 - 1.3.6.1.4.1.6247.18.1.4.20 --- recenterBuffer (INTEGER)

64 - 1.3.6.1.4.1.6247.18.1.5 --- utilityParameters

65 - 1.3.6.1.4.1.6247.18.1.5.1 --- edmacFramingMode (INTEGER)

66 - 1.3.6.1.4.1.6247.18.1.5.2 --- edmacAddress (INTEGER)

67 - 1.3.6.1.4.1.6247.18.1.5.3 --- unitTestMode (INTEGER)

68 - 1.3.6.1.4.1.6247.18.1.5.4 --- unitAlarmMask (INTEGER)

69 - 1.3.6.1.4.1.6247.18.1.5.5 --- txBackwardAlarmEnable (INTEGER)

70 - 1.3.6.1.4.1.6247.18.1.5.6 --- rxBackwardAlarmEnable (INTEGER)

71 - 1.3.6.1.4.1.6247.18.1.5.7 --- unitConfigStore (INTEGER)

72 - 1.3.6.1.4.1.6247.18.1.5.8 --- unitConfigLoad (INTEGER)

73 - 1.3.6.1.4.1.6247.18.1.5.9 --- oduCommEnable (INTEGER)

74 - 1.3.6.1.4.1.6247.18.1.6 --- aupcParameters

75 - 1.3.6.1.4.1.6247.18.1.6.1 --- aupcEnable (INTEGER)

76 - 1.3.6.1.4.1.6247.18.1.6.2 --- aupcControlParameters (OCTET STRING)

77 - 1.3.6.1.4.1.6247.18.1.6.3 --- remoteEbno (INTEGER)

78 - 1.3.6.1.4.1.6247.18.1.6.4 --- txPowerLevelIncrease (INTEGER)

79 - 1.3.6.1.4.1.6247.18.1.7 --- statusParameters

80 - 1.3.6.1.4.1.6247.18.1.7.1 --- rxEbno (INTEGER)

81 - 1.3.6.1.4.1.6247.18.1.7.2 --- rxSignalLevel (OCTET STRING)

82 - 1.3.6.1.4.1.6247.18.1.7.3 --- rxFrequencyOffset (INTEGER)

83 - 1.3.6.1.4.1.6247.18.1.7.4 --- bufferFillState (INTEGER)

84 - 1.3.6.1.4.1.6247.18.1.7.5 --- rxBER (Unsigned32)

85 - 1.3.6.1.4.1.6247.18.1.7.6 --- redundancyState (INTEGER)

86 - 1.3.6.1.4.1.6247.18.1.7.7 --- unitFaults (OCTET STRING)

87 - 1.3.6.1.4.1.6247.18.1.8 --- logs

88 - 1.3.6.1.4.1.6247.18.1.8.1 --- clearEventsLog (INTEGER)

89 - 1.3.6.1.4.1.6247.18.1.8.2 --- numberUnreadEvents (INTEGER)

90 - 1.3.6.1.4.1.6247.18.1.8.3 --- retrieveNext5Events (OCTET STRING)

91 - 1.3.6.1.4.1.6247.18.1.8.4 --- setStatisticInterval (INTEGER)

92 - 1.3.6.1.4.1.6247.18.1.8.5 --- clearStatisticsLog (INTEGER)

93 - 1.3.6.1.4.1.6247.18.1.8.6 --- numberUnreadStatistics (INTEGER)

94 - 1.3.6.1.4.1.6247.18.1.8.7 --- retrieveNext5Statistics (OCTET STRING)

95 - 1.3.6.1.4.1.6247.18.1.9 --- trapNotifications

96 - 1.3.6.1.4.1.6247.18.1.9.0 --- trapNotificationsPrefix

97 - 1.3.6.1.4.1.6247.18.1.9.0.1 --- unitFaultTraps

98 - 1.3.6.1.4.1.6247.18.1.9.0.2 --- unitConfigChangeTrap

99 - 1.3.6.1.4.1.6247.18.2 --- csat5060Objects

100 - 1.3.6.1.4.1.6247.18.2.1 --- oduSelect (INTEGER)

101 - 1.3.6.1.4.1.6247.18.2.2 --- oduSystemInfo

102 - 1.3.6.1.4.1.6247.18.2.2.1 --- oduModelNumberSoftwareVer (OCTET STRING)

103 - 1.3.6.1.4.1.6247.18.2.2.2 --- oduunitSerialNumber (OCTET STRING)

104 - 1.3.6.1.4.1.6247.18.2.2.3 --- odudeviceTime (OCTET STRING)

105 - 1.3.6.1.4.1.6247.18.2.2.4 --- odudeviceDate (OCTET STRING)

106 - 1.3.6.1.4.1.6247.18.2.2.5 --- oducircuitID (OCTET STRING)

107 - 1.3.6.1.4.1.6247.18.2.3 --- oduUnitParameters

108 - 1.3.6.1.4.1.6247.18.2.3.1 --- oduUnitMuteMode (INTEGER)

109 - 1.3.6.1.4.1.6247.18.2.3.2 --- oduUnitColdStart (INTEGER)

110 - 1.3.6.1.4.1.6247.18.2.3.3 --- oduUnitAutoFaultRecovery (INTEGER)

111 - 1.3.6.1.4.1.6247.18.2.3.4 --- oduUnitExtRefFaultLogic (INTEGER)

112 - 1.3.6.1.4.1.6247.18.2.3.5 --- oduUnitRefOscAdjust (INTEGER)

113 - 1.3.6.1.4.1.6247.18.2.3.6 --- oduUnitLNACurrentSource (INTEGER)

114 - 1.3.6.1.4.1.6247.18.2.3.7 --- oduUnitLNACurrentWindow (INTEGER)

115 - 1.3.6.1.4.1.6247.18.2.3.8 --- oduUnitLNAFaultLogic (INTEGER)

116 - 1.3.6.1.4.1.6247.18.2.3.9 --- oduUnitRedundancyMode (INTEGER)

117 - 1.3.6.1.4.1.6247.18.2.3.10 --- oduUnitRedForceSwitch (INTEGER)

118 - 1.3.6.1.4.1.6247.18.2.4 --- oduTxParameters

119 - 1.3.6.1.4.1.6247.18.2.4.1 --- odutxFrequency (INTEGER)

120 - 1.3.6.1.4.1.6247.18.2.4.2 --- oduTxAttenuation (INTEGER)

121 - 1.3.6.1.4.1.6247.18.2.4.3 --- oduTxAmplifier (INTEGER)

122 - 1.3.6.1.4.1.6247.18.2.4.4 --- oduTxMute (INTEGER)

123 - 1.3.6.1.4.1.6247.18.2.4.5 --- oduTxSlopeMode (INTEGER)

124 - 1.3.6.1.4.1.6247.18.2.4.6 --- oduTxSlopeValue (INTEGER)

125 - 1.3.6.1.4.1.6247.18.2.4.7 --- oduTxGainOffset (INTEGER)

126 - 1.3.6.1.4.1.6247.18.2.5 --- oduRxParameters

127 - 1.3.6.1.4.1.6247.18.2.5.1 --- oduRxFrequency (INTEGER)

128 - 1.3.6.1.4.1.6247.18.2.5.2 --- oduRxAttenuation (INTEGER)

129 - 1.3.6.1.4.1.6247.18.2.5.3 --- oduRxMute (INTEGER)

130 - 1.3.6.1.4.1.6247.18.2.5.4 --- oduRxSlopeMode (INTEGER)

131 - 1.3.6.1.4.1.6247.18.2.5.5 --- oduRxSlopeValue (INTEGER)

132 - 1.3.6.1.4.1.6247.18.2.5.6 --- oduRxGainOffset (INTEGER)

133 - 1.3.6.1.4.1.6247.18.2.6 --- oduUnitStatus

134 - 1.3.6.1.4.1.6247.18.2.6.1 --- oduOnlineState (INTEGER)

135 - 1.3.6.1.4.1.6247.18.2.6.2 --- oduMaintenanceParameters (OCTET STRING)

136 - 1.3.6.1.4.1.6247.18.2.6.3 --- oduUnitFaults (INTEGER)

137 - 1.3.6.1.4.1.6247.18.2.7 --- oduLogs

138 - 1.3.6.1.4.1.6247.18.2.7.1 --- oduClearEventsLog (INTEGER)

139 - 1.3.6.1.4.1.6247.18.2.7.2 --- oduNumberUnreadEvents (INTEGER)

140 - 1.3.6.1.4.1.6247.18.2.7.3 --- oduRetrieveNext5Events (OCTET STRING)

141 - 1.3.6.1.4.1.6247.18.3 --- kst2000Objects

142 - 1.3.6.1.4.1.6247.18.3.1 --- kstSystemInfo

143 - 1.3.6.1.4.1.6247.18.3.1.1 --- kstEquipmentType (OCTET STRING)

144 - 1.3.6.1.4.1.6247.18.3.1.2 --- kstSerialNumbers (OCTET STRING)

145 - 1.3.6.1.4.1.6247.18.3.1.3 --- kstAssemblyNumbers (OCTET STRING)

146 - 1.3.6.1.4.1.6247.18.3.1.4 --- kstFirmwareNumbers (OCTET STRING)

147 - 1.3.6.1.4.1.6247.18.3.2 --- kstUnitParameters

148 - 1.3.6.1.4.1.6247.18.3.2.1 --- kstCircuitID (OCTET STRING)

149 - 1.3.6.1.4.1.6247.18.3.2.2 --- kstAgc (INTEGER)

150 - 1.3.6.1.4.1.6247.18.3.2.3 --- kstRefOscillatorAdjust (INTEGER)

151 - 1.3.6.1.4.1.6247.18.3.2.4 --- kstLockMode (INTEGER)

152 - 1.3.6.1.4.1.6247.18.3.3 --- kstTxParameters

153 - 1.3.6.1.4.1.6247.18.3.3.1 --- kstUpConvFrequency (INTEGER)

154 - 1.3.6.1.4.1.6247.18.3.3.2 --- kstUpConvAttenuation (INTEGER)

155 - 1.3.6.1.4.1.6247.18.3.3.3 --- kstUpConvOutput (INTEGER)

156 - 1.3.6.1.4.1.6247.18.3.3.4 --- kstHpaPowerEnable (INTEGER)

157 - 1.3.6.1.4.1.6247.18.3.3.5 --- kstHpaFaultLogic (INTEGER)

158 - 1.3.6.1.4.1.6247.18.3.4 --- kstRxParameters

159 - 1.3.6.1.4.1.6247.18.3.4.1 --- kstDownConvFrequency (INTEGER)

160 - 1.3.6.1.4.1.6247.18.3.4.2 --- kstDownConvAttenuation (INTEGER)

161 - 1.3.6.1.4.1.6247.18.3.4.3 --- kstReceiveBand (OCTET STRING)

162 - 1.3.6.1.4.1.6247.18.3.4.4 --- kstLnaPowerEnable (INTEGER)

163 - 1.3.6.1.4.1.6247.18.3.4.5 --- kstLnaFaultLogic (INTEGER)

164 - 1.3.6.1.4.1.6247.18.3.5 --- kstUnitStatus

165 - 1.3.6.1.4.1.6247.18.3.5.1 --- kstUnitFaultStatus (OCTET STRING)

166 - 1.3.6.1.4.1.6247.18.3.5.2 --- kstCommonEquipmentStatus (OCTET STRING)

167 - 1.3.6.1.4.1.6247.18.3.5.3 --- kstReferenceStatus (OCTET STRING)

168 - 1.3.6.1.4.1.6247.18.3.5.4 --- kstAgcStatus (OCTET STRING)

169 - 1.3.6.1.4.1.6247.18.3.5.5 --- kstUpConvStatus (OCTET STRING)

170 - 1.3.6.1.4.1.6247.18.3.5.6 --- kstDownConvStatus (OCTET STRING)

171 - 1.3.6.1.4.1.6247.18.3.5.7 --- kstHpaStatus (OCTET STRING)

172 - 1.3.6.1.4.1.6247.18.3.5.8 --- kstLnaStatus (OCTET STRING)

A.7 CDM-600 MIB

A.7.1 ISO

Name	iso
OID	1
Full path	iso(1)
Module	SNMPv2-SMI
Child	org
Type	OBJECT-IDENTIFIER

A.7.2 ORG

Name	org
OID	1.3
Full path	iso(1).org(3)
Module	SNMPv2-SMI
Parent	iso
Child	dod
Type	OBJECT-IDENTIFIER

A.7.3 DOD

Name	dod
OID	1.3.6
Full path	iso(1).org(3).dod(6)
Module	SNMPv2-SMI
Parent	org
Child	internet
Type	OBJECT-IDENTIFIER

A.7.4 INTERNET

Name	internet
OID	1.3.6.1
Full path	iso(1).org(3).dod(6).internet(1)
Module	SNMPv2-SMI
Parent	dod
Child	private
Type	OBJECT-IDENTIFIER

A.7.5 PRIVATE

Name	private
OID	1.3.6.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4)
Module	CDM600
Parent	internet
Child	enterprises
Type	OBJECT-IDENTIFIER

A.7.6 ENTERPRISES

Name	enterprises
OID	1.3.6.1.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1)
Module	CDM600
Parent	private
Child	comtech
Type	OBJECT-IDENTIFIER

A.7.7 COMTECH

Name	comtech
OID	1.3.6.1.4.1.6247
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247)
Module	CDM600
Parent	enterprises
Child	cdm600
Type	OBJECT-IDENTIFIER

A.7.8 CDM600

Name	cdm600
OID	1.3.6.1.4.1.6247.18
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18)
Module	CDM600
Parent	comtech
Child	cdm600Objects
Type	OBJECT-IDENTIFIER

A.7.9 CDM600OBJECTS

Name	cdm600Objects
OID	1.3.6.1.4.1.6247.18.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1)
Module	CDM600
Parent	cdm600
Next sibling	oduObjects
Child	systemInfo
Type	OBJECT-IDENTIFIER

A.7.10 SYSTEMINFO

Name	systemInfo
OID	1.3.6.1.4.1.6247.18.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1)
Module	CDM600
Parent	cdm600Objects
Next sibling	txParameters
Child	equipmentID
Type	OBJECT-IDENTIFIER

A.7.11 EQUIPMENTID

Name	equipmentID
OID	1.3.6.1.4.1.6247.18.1.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1).equipmentID(1)
Module	CDM600
Parent	systemInfo
Next sibling	unitSerialNumber
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	10
Description	Equipment ID. (EID?)

A.7.12 UNITSERIALNUMBER

Name	unitSerialNumber
OID	1.3.6.1.4.1.6247.18.1.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1).unitSerialNumber(2)
Module	CDM600
Parent	systemInfo
Prev sibling	equipmentID
Next sibling	softwareRevision
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	9
Description	Unit Serial Number. (SNO?)

A.7.13 SOFTWAREREVISION

Name	softwareRevision
OID	1.3.6.1.4.1.6247.18.1.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1).softwareRevision(3)
Module	CDM600
Parent	systemInfo
Prev sibling	unitSerialNumber
Next sibling	deviceTime
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	5
Description	Software Revision. (SWR?)

A.7.14 DEVICETIME

Name	deviceTime
OID	1.3.6.1.4.1.6247.18.1.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).systemInfo(1).deviceTime(4)
Module	CDM600
Parent	systemInfo
Prev sibling	softwareRevision
Next sibling	deviceDate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	6
Description	Modem Time. (TIM?, TIM=)

A.7.15 DEVICEDATE

Name	deviceDate
OID	1.3.6.1.4.1.6247.18.1.1.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).systemInfo(1).deviceDate(5)
Module	CDM600
Parent	systemInfo
Prev sibling	deviceTime
Next sibling	circuitID
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	6
Description	Modem Date. (DAY?, DAY=)

A.7.16 circuitID

Name	circuitID
OID	1.3.6.1.4.1.6247.18.1.1.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1).circuitID(6)
Module	CDM600
Parent	systemInfo
Prev sibling	deviceDate
Next sibling	localRemoteState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	40
Description	Circuit ID. (CID?, CID=)

A.7.17 localRemoteState

Name	localRemoteState
OID	1.3.6.1.4.1.6247.18.1.1.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1).localRemoteState(7)
Module	CDM600
Parent	systemInfo
Prev sibling	circuitID
Next sibling	deviceTemperature
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	local(0)
2	remote(1)
Description	Local/Remote State. (LRS?, LRS=)

A.7.18 DEVICETEMPERATURE

Name	deviceTemperature
OID	1.3.6.1.4.1.6247.18.1.1.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).systemInfo(1).deviceTemperature(8)
Module	CDM600
Parent	systemInfo
Prev sibling	localRemoteState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Units	degrees C
Description	Modem Internal Temperature. (TMP?, TMP=)

A.7.19 TXPARAMETERS

Name	txParameters
OID	1.3.6.1.4.1.6247.18.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).txParameters(2)
Module	CDM600
Parent	cdm600Objects
Prev sibling	systemInfo
Next sibling	rxParameters
Child	txFrequency
Type	OBJECT-IDENTIFIER

A.7.20 TXFREQUENCY

Name	txFrequency
OID	1.3.6.1.4.1.6247.18.1.2.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).txParameters(2).txFrequency(1)
Module	CDM600
Parent	txParameters
Next sibling	txDataRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	520000..880000
2	1040000..1760000
Description	TX Frequency. Value Multiplied by 10000. (TFQ?, TFQ=)

A.7.21 TXDATARATE

Name	txDataRate
OID	1.3.6.1.4.1.6247.18.1.2.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).txParameters(2).txDataRate(2)
Module	CDM600
Parent	txParameters
Prev sibling	txFrequency
Next sibling	txModType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	4800..2048000
Description	TX Data Rate. Value Multiplied by 1000. (TDR?, TDR=)

A.7.22 TXMODTYPE

Name	txModType
OID	1.3.6.1.4.1.6247.18.1.2.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).txParameters(2).txModType(3)
Module	CDM600
Parent	txParameters
Prev sibling	txDataRate
Next sibling	txFECType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	bpsk(0)
2	qpsk(1)
3	oqpsk(2)
4	tx8psk(3)
5	tx16qam(4)
Description	TX Modulator Type. (TMD?, TMD=)

A.7.23 TXFECTYPE

Name	txFECType
OID	1.3.6.1.4.1.6247.18.1.2.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).txParameters(2).txFECType(4)
Module	CDM600
Parent	txParameters
Prev sibling	txModType
Next sibling	txFECCodeRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none_Diff_enc_On(0)
2	viterbi(1)
3	viterbiReedSolomon(2)
4	sequential(3)
5	sequentialReedSolomon(4)
6	tcm(5)
7	tcmReedSolomon(6)
8	turbo(7)
9	none_Diff_enc_Off(8)
Description	TX FEC Type. (TFT?, TFT=)

A.7.24 TXFECCODERATE

Name	txFECCodeRate
OID	1.3.6.1.4.1.6247.18.1.2.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txFECCodeRate(5)
Module	CDM600
Parent	txParameters
Prev sibling	txFECType
Next sibling	txSpecInv
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rate1/2(0)
2	rate3/4(1)
3	rate7/8(2)
4	rate2/3(3)
5	rate1/1(4)
6	rate21/44(5)
7	rate5/16(6)
8	rate0_95(7)
Description	TX FEC Code Rate. (TCR?, TCR=)

A.7.25 TXSPECINV

Name	txSpecInv
OID	1.3.6.1.4.1.6247.18.1.2.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txSpecInv(6)
Module	CDM600
Parent	txParameters
Prev sibling	txFECCodeRate
Next sibling	txScrambler
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	TX Spectrum Inversion. (TSI?, TSI=)

A.7.26 TXSCRAMBLER

Name	txScrambler
OID	1.3.6.1.4.1.6247.18.1.2.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txScrambler(7)
Module	CDM600
Parent	txParameters
Prev sibling	txSpecInv
Next sibling	txRSEncoding
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX Scrambler. (TSC?, TSC=)

A.7.27 TXRSENCODING

Name	txRSEncoding
OID	1.3.6.1.4.1.6247.18.1.2.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txRSEncoding(8)
Module	CDM600
Parent	txParameters
Prev sibling	txScrambler
Next sibling	txPowerLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	iess310(1)
Description	Tx Reed-Solomon Encoding. (TRS?, TRS=)

A.7.28 TXPOWERLEVEL

Name	txPowerLevel
OID	1.3.6.1.4.1.6247.18.1.2.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txPowerLevel(9)
Module	CDM600
Parent	txParameters
Prev sibling	txRSEncoding
Next sibling	txCarrierState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..200
Description	TX Power Level. Value Multiplied by 10. (TPL?, TPL=)

A.7.29 TXCARRIERSTATE

Name	txCarrierState
OID	1.3.6.1.4.1.6247.18.1.2.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txCarrierState(10)
Module	CDM600
Parent	txParameters
Prev sibling	txPowerLevel
Next sibling	txDataInv
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	offPanelORRemote(0)
2	on(1)
3	rti(2)
4	offExternal(3)
Description	TX Carrier State. (TXO?, TXO=)

A.7.30 TXDATAINV

Name	txDataInv
OID	1.3.6.1.4.1.6247.18.1.2.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).txParameters(2).txDataInv(11)
Module	CDM600
Parent	txParameters
Prev sibling	txCarrierState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	Invert Tx Data. (ITD?, ITD=)

A.7.31 RXPARAMETERS

Name	rxParameters
OID	1.3.6.1.4.1.6247.18.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3)
Module	CDM600
Parent	cdm600Objects
Prev sibling	txParameters
Next sibling	interfaceParameters
Child	rxFrequency
Type	OBJECT-IDENTIFIER

A.7.32 RXFREQUENCY

Name	rxFrequency
OID	1.3.6.1.4.1.6247.18.1.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).rxParameters(3).rxFrequency(1)
Module	CDM600
Parent	rxParameters
Next sibling	rxDataRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	520000..880000
2	1040000..1760000
Description	RX Frequency. Value Multiplied by 10000. (RFQ?, RFQ=)

A.7.33 RXDATARATE

Name	rxDataRate
OID	1.3.6.1.4.1.6247.18.1.3.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).rxParameters(3).rxDataRate(2)
Module	CDM600
Parent	rxParameters
Prev sibling	rxFrequency
Next sibling	rxDemodType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	4800..2048000
Description	RX Data Rate. Value Multiplied by 1000. (RDR?, RDR=)

A.7.34 RXDEMODTYPE

Name	rxDemodType
OID	1.3.6.1.4.1.6247.18.1.3.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3).rxDemodType(3)
Module	CDM600
Parent	rxParameters
Prev sibling	rxDataRate
Next sibling	rxFECType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	bpsk(0)
2	qpsk(1)
3	oqpsk(2)
4	rx8psk(3)
5	rx16qam(4)
Description	RX Demodulator Type. (RMD?, RMD=)

A.7.35 RXFECTYPE

Name	rxFECType
OID	1.3.6.1.4.1.6247.18.1.3.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).rxParameters(3).rxFECType(4)
Module	CDM600
Parent	rxParameters
Prev sibling	rxDemodType
Next sibling	rxFECCodeRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none_Diff_enc_On(0)
2	viterbi(1)
3	viterbiReedSolomon(2)
4	sequential(3)
5	sequentialReedSolomon(4)
6	tcm(5)
7	tcmReedSolomon(6)
8	turbo(7)
9	none_Diff_enc_Off(8)
Description	RX FEC Type. (RFT?, RFT=)

A.7.36 RXFECCODERATE

Name	rxFECCodeRate
OID	1.3.6.1.4.1.6247.18.1.3.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3).rxFECCodeRate(5)
Module	CDM600
Parent	rxParameters
Prev sibling	rxFECType
Next sibling	rxSpecInv
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rate1/2(0)
2	rate3/4(1)
3	rate7/8(2)
4	rate2/3(3)
5	rate1/1(4)
6	rate21/44(5)
7	rate5/16(6)
8	rate0_95(7)
Description	RX FEC Code Rate. (RCR?, RCR=)

A.7.37 RXSPECINV

Name	rxSpecInv
OID	1.3.6.1.4.1.6247.18.1.3.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3).rxSpecInv(6)
Module	CDM600
Parent	rxParameters
Prev sibling	rxFECCodeRate
Next sibling	rxDescrambler
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	RX Spectrum Inversion. (RSI?, RSI=)

A.7.38 RXDESCRAMBLER

Name	rxDescrambler
OID	1.3.6.1.4.1.6247.18.1.3.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).rxParameters(3).rxDescrambler(7)
Module	CDM600
Parent	rxParameters
Prev sibling	rxSpecInv
Next sibling	rxRSDecoding
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX Descrambler. (RDS?, RDS=)

A.7.39 RXRSDECODING

Name	rxRSDecoding
OID	1.3.6.1.4.1.6247.18.1.3.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).rxParameters(3).rxRSDecoding(8)
Module	CDM600
Parent	rxParameters
Prev sibling	rxDescrambler
Next sibling	rxDataInv
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	iess310(1)
Description	Rx Reed-Solomon Decoding. (RRS?, RRS=)

A.7.40 RXDATAINV

Name	rxDataInv
OID	1.3.6.1.4.1.6247.18.1.3.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3).rxDataInv(9)
Module	CDM600
Parent	rxParameters
Prev sibling	rxRSDecoding
Next sibling	rxAcqSweepRange
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	Invert Rx Data. (IRD?, IRD=)

A.7.41 RXACQSWEEPRANGE

Name	rxAcqSweepRange
OID	1.3.6.1.4.1.6247.18.1.3.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3).rxAcqSweepRange(10)
Module	CDM600
Parent	rxParameters
Prev sibling	rxDataInv
Next sibling	rxEbnoAlarmPoint
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	1..32
Description	RX Acquisition Sweep Range. (RSW?, RSW=)

A.7.42 RXEBNOALARMPOINT

Name	rxEbnoAlarmPoint
OID	1.3.6.1.4.1.6247.18.1.3.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).rxParameters(3).rxEbnoAlarmPoint(11)
Module	CDM600
Parent	rxParameters
Prev sibling	rxAcqSweepRange
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	1..160
Description	RX EBN0 Alarm Point. Value Multiplied by 10. (EBA?, EBA=)

A.7.43 INTERFACEPARAMETERS

Name	interfaceParameters
OID	1.3.6.1.4.1.6247.18.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4)
Module	CDM600
Parent	cdm600Objects
Prev sibling	rxParameters
Next sibling	utilityParameters
Child	ifImpedance
Type	OBJECT-IDENTIFIER

A.7.44 IFIMPEDANCE

Name	ifImpedance
OID	1.3.6.1.4.1.6247.18.1.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).ifImpedance(1)
Module	CDM600
Parent	interfaceParameters
Next sibling	txInterfaceType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	ohm50(5)
2	ohm75(7)
Description	Tx IF Impedance. Both Tx and Rx sides will change with this selection. (TIP?, TIP=)

A.7.45 TXINTERFACETYPE

Name	txInterfaceType
OID	1.3.6.1.4.1.6247.18.1.4.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).txInterfaceType(2)
Module	CDM600
Parent	interfaceParameters
Prev sibling	ifImpedance
Next sibling	rxInterfaceType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rs422(0)
2	v35(1)
3	rs232(2)
4	g703balanced(3)
5	g703unbalanced(4)
6	audio(5)
7	lvds(6)
Description	Tx Interface Type. (TIT?, TIT=)

A.7.46 RXINTERFACETYPE

Name	rxInterfaceType
OID	1.3.6.1.4.1.6247.18.1.4.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxInterfaceType(3)
Module	CDM600
Parent	interfaceParameters
Prev sibling	txInterfaceType
Next sibling	txFramingMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rs422(0)
2	v35(1)
3	rs232(2)
4	g703balanced(3)
5	g703unbalanced(4)
6	audio(5)
7	lvds(6)
Description	Rx Interface Type. (RIT?, RIT=)

A.7.47 TXFRAMINGMODE

Name	txFramingMode
OID	1.3.6.1.4.1.6247.18.1.4.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).txFramingMode(4)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxInterfaceType
Next sibling	rxFramingMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	unframed(0)
2	ibs(1)
3	idr(2)
4	drop(3)
5	edmac(4)
Description	Tx Framing Mode. (TFM?, TFM=)

A.7.48 RXFRAMINGMODE

Name	rxFramingMode
OID	1.3.6.1.4.1.6247.18.1.4.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxFramingMode(5)
Module	CDM600
Parent	interfaceParameters
Prev sibling	txFramingMode
Next sibling	txClockSource
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	unframed(0)
2	ibs(1)
3	idr(2)
4	drop(3)
5	edmac(4)
Description	Rx Framing Mode. (RFM?, RFM=)

A.7.49 TXCLOCKSOURCE

Name	txClockSource
OID	1.3.6.1.4.1.6247.18.1.4.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).txClockSource(6)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxFramingMode
Next sibling	rxClockSource
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	internal(0)
2	txTerrestrial(1)
3	rxLoopTimed(2)
4	external(3)
Description	TX Clock Source. (TCK?, TCK=)

A.7.50 RXCLOCKSOURCE

Name	rxClockSource
OID	1.3.6.1.4.1.6247.18.1.4.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxClockSource(7)
Module	CDM600
Parent	interfaceParameters
Prev sibling	txClockSource
Next sibling	rxBufferSize
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rxSatellite(0)
2	txTerrestrial(1)
3	external(2)
4	internal(3)
Description	RX Clock Source. (RCK?, RCK=)

A.7.51 RXBUFFERSIZE

Name	rxBufferSize
OID	1.3.6.1.4.1.6247.18.1.4.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxBufferSize(8)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxClockSource
Next sibling	externalRefValue
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	16..32768
Description	RX Buffer Size. (RBS?, RBS=)

A.7.52 EXTERNALCLOCK

Name	externalClock
OID	1.3.6.1.4.1.6247.18.1.4.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).externalClock(9)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxBufferSize
Next sibling	externalReference
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	10
Description	External Clock (for Data Rate Accuracy. (REF?, REF=)

A.7.53 EXTERNALREFERENCE

Name	externalReference
OID	1.3.6.1.4.1.6247.18.1.4.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).externalReference(10)
Module	CDM600
Parent	interfaceParameters
Prev sibling	externalClock
Next sibling	txTernaryCode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value List	
1	internal (0)
2	ext1MHz (1)
3	ext2MHz (2)
4	ext5MHz (3)
5	ext10MHz (4)
6	ext20MHz (5)
Description	External Frequency Reference. (EFR?, EFR=)

A.7.54 TXTERNARYCODE

Name	txTernaryCode
OID	1.3.6.1.4.1.6247.18.1.4.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).txTernaryCode(11)
Module	CDM600
Parent	interfaceParameters
Prev sibling	externalRefValue
Next sibling	rxTernaryCode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	ami(0)
2	b8zs(1)
3	b6zs(2)
4	hdb3(3)
Description	Tx Ternary Code. (G.703 Parameter) (TTC?, TTC=)

A.7.55 RXTERNARYCODE

Name	rxTernaryCode
OID	1.3.6.1.4.1.6247.18.1.4.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxTernaryCode(12)
Module	CDM600
Parent	interfaceParameters
Prev sibling	txTernaryCode
Next sibling	idrTxESCType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	ami(0)
2	b8zs(1)
3	b6zs(2)
4	hdb3(3)
Description	Rx Ternary Code. (G.703 Parameter) (RTC?, RTC=)

A.7.56 IDRTXESCTYPE

Name	idrTxESCType
OID	1.3.6.1.4.1.6247.18.1.4.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).idrTxESCType(13)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxTernaryCode
Next sibling	idrRxESCType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	data(0)
2	audio(1)
Description	IDR Tx ESC Type. (IDR Parameter) (TET?, TET=)

A.7.57 IDRRXESCTYPE

Name	idrRxESCType
OID	1.3.6.1.4.1.6247.18.1.4.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).idrRxESCType(14)
Module	CDM600
Parent	interfaceParameters
Prev sibling	idrTxESCType
Next sibling	txAudioVolume
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	data(0)
2	audio(1)
Description	IDR Rx ESC Type. (IDR Parameter) (RET?, RET=)

A.7.58 TXAUDIOVOLUME

Name	txAudioVolume
OID	1.3.6.1.4.1.6247.18.1.4.15
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).txAudioVolume(15)
Module	CDM600
Parent	interfaceParameters
Prev sibling	idrRxESCType
Next sibling	rxAudioVolume
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4
Description	Tx Audio Volume. (Audio/IDR Parameter) (TVL?, TVL=)

A.7.59 RXAUDIOVOLUME

Name	rxAudioVolume
OID	1.3.6.1.4.1.6247.18.1.4.16
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxAudioVolume(16)
Module	CDM600
Parent	interfaceParameters
Prev sibling	txAudioVolume
Next sibling	dropAndInsert
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4
Description	Rx Audio Volume. (Audio/IDR Parameter) (RVL?, RVL=)

A.7.60 DROPANDINSERT

Name	dropAndInsert
OID	1.3.6.1.4.1.6247.18.1.4.17
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).dropAndInsert(17)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxAudioVolume
Next sibling	txTerrestrialAlarmEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	51
Description	Drop & Insert. (DNI?, DNI=)
	51 Bytes: 25 bytes of Drop information - 24 bytes defining Timeslot locations, followed by Drop type (0 = T1-D4, 1 = T1-ESF, 2 = E1-CCS, 3 = E1-CAS) as DTY 25 bytes of Insert information - 24 bytes defining Timeslot locations, followed by Insert type (0 = T1-D4, 1 = T1-ESF, 2 = E1-CCS, 3 = E1-CAS) as ITY Timeslot definition: 0 = Unused 1-9 for timeslots 1-9 A=10, B=11, C=12, D=13...V=31. Last byte = Drop and Insert Internal Loop (0 = OFF, 1 = ON) If data rate equals 1920 kbps and DNI Type equals E1-CCS or E1-CAS then channels cannot be programmed. The DNI? Command will display all 'x' in the time-slot positions.

A.7.61 TXTERRESTRIALALARMMASK

Name	txTerrestrialAlarmMask
OID	1.3.6.1.4.1.6247.18.1.4.18
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).txTerrestrialAlarmMask(18)
Module	CDM600
Parent	interfaceParameters
Prev sibling	dropAndInsert
Next sibling	rxTerrestrialAlarmEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	active(0)
2	masked(1)
Description	Tx Terrestrial Alarm Mask. (TTA?, TTA=)
	Note: Used for DROP operation only.

A.7.62 RXTERRESTRIALALARMENABLE

Name	rxTerrestrialAlarmEnable
OID	1.3.6.1.4.1.6247.18.1.4.19
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).rxTerrestrialAlarmEnable(19)
Module	CDM600
Parent	interfaceParameters
Prev sibling	txTerrestrialAlarmEnable
Next sibling	recenterBuffer
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disable(0)
2	enable(1)
Description	Rx Terrestrial Alarm Enable. (RTE?, RTE=)
	Note: Used for INSERT operation only.

A.7.63 RECENTERBUFFER

Name	recenterBuffer
OID	1.3.6.1.4.1.6247.18.1.4.20
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).interfaceParameters(4).recenterBuffer(20)
Module	CDM600
Parent	interfaceParameters
Prev sibling	rxTerrestrialAlarmEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	yes(1)
Description	Recenter Buffer. Write-ONLY. (RCB=)

A.7.64 UTILITYPARAMETERS

Name	utilityParameters
OID	1.3.6.1.4.1.6247.18.1.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5)
Module	CDM600
Parent	cdm600Objects
Prev sibling	interfaceParameters
Next sibling	aupcParameters
Child	edmacFramingMode
Type	OBJECT-IDENTIFIER

A.7.65 EDMACFRAMINGMODE

Name	edmacFramingMode
OID	1.3.6.1.4.1.6247.18.1.5.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).edmacFramingMode(1)
Module	CDM600
Parent	utilityParameters
Next sibling	edmacAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	idle(0)
2	master(1)
3	slave(2)
Description	EDMAC Framing Mode. (EFM?, EFM=)

A.7.66 EDMACADDRESS

Name	edmacAddress
OID	1.3.6.1.4.1.6247.18.1.5.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).edmacAddress(2)
Module	CDM600
Parent	utilityParameters
Prev sibling	edmacFramingMode
Next sibling	unitTestMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..9999
Description	Edmac Slave Address Range. (ESA?, ESA=) This command is only valid for an EDMAC master. When used as a Query, it may be sent to an EDMAC slave, which will respond with the appropriate address.

A.7.67 UNITTESTMODE

Name	unitTestMode
OID	1.3.6.1.4.1.6247.18.1.5.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).unitTestMode(3)
Module	CDM600
Parent	utilityParameters
Prev sibling	edmacAddress
Next sibling	unitAlarmMask
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	txCW(1)
3	txAlt10Pattern(2)
4	ifLoopBack(3)
5	rfLoopBack(4)
6	digitalLoopBack(5)
7	ioLoopBack(6)
Description	Unit Test Mode. (TST?, TST=)

A.7.68 UNITALARMMASK

Name	unitAlarmMask
OID	1.3.6.1.4.1.6247.18.1.5.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).unitAlarmMask(4)
Module	CDM600
Parent	utilityParameters
Prev sibling	unitTestMode
Next sibling	txBackwardAlarmEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..111111
Description	Unit Alarm Mask. (MSK?, MSK=) MSK=123456, Bit 1 = Mask TX AIS Alarm. (0=Unmasked, 1=Masked) Bit 2 = Mask RX AIS Alarm. (0=Unmasked, 1=Masked) Bit 3 = Mask Bufferslip Alarm. (0=Unmasked, 1=Masked) Bit 4 = spare, always 1. Bit 5 = Mask RX AGC Alarm. (0=Unmasked, 1=Masked) Bit 6 = Mask Eb/No Alarm. (0=Unmasked, 1=Masked)

A.7.69 TXBACKWARDALARMENABLE

Name	txBackwardAlarmEnable
OID	1.3.6.1.4.1.6247.18.1.5.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).txBackwardAlarmEnable(5)
Module	CDM600
Parent	utilityParameters
Prev sibling	unitAlarmMask
Next sibling	rxBackwardAlarmEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..2222
Description	Tx Backward Alarms Enable. (TBA?, TBA=)

A.7.70 RXBACKWARDALARMENABLE

Name	rxBackwardAlarmEnable
OID	1.3.6.1.4.1.6247.18.1.5.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).rxBackwardAlarmEnable(6)
Module	CDM600
Parent	utilityParameters
Prev sibling	txBackwardAlarmEnable
Next sibling	unitConfigStore
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..1111
Description	Rx Backward Alarms Enable. (RBA?, RBA=)

A.7.71 UNITCONFIGSTORE

Name	unitConfigStore
OID	1.3.6.1.4.1.6247.18.1.5.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).unitConfigStore(7)
Module	CDM600
Parent	utilityParameters
Prev sibling	rxBackwardAlarmEnable
Next sibling	unitConfigLoad
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..9
Description	Unit Config Store. Write-ONLY. (CST=)

A.7.72 UNITCONFIGLOAD

Name	unitConfigLoad
OID	1.3.6.1.4.1.6247.18.1.5.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).unitConfigLoad(8)
Module	CDM600
Parent	utilityParameters
Prev sibling	unitConfigStore
Next sibling	oduCommEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..9
Description	Unit Config Load. Write-ONLY. (CLD=)

A.7.73 ODUCOMMENABLE

Name	oduCommEnable
OID	1.3.6.1.4.1.6247.18.1.5.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).utilityParameters(5).oduCommEnable(9)
Module	CDM600
Parent	utilityParameters
Prev sibling	unitConfigLoad
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disable(0)
2	enable(1)
Description	ODU Comm Enable. (ODU?, ODU=)

A.7.74 AUPCPARAMETERS

Name	aupcParameters
OID	1.3.6.1.4.1.6247.18.1.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).aupcParameters(6)
Module	CDM600
Parent	cdm600Objects
Prev sibling	utilityParameters
Next sibling	statusParameters
Child	aupcEnable
Type	OBJECT-IDENTIFIER

A.7.75 AUPCENABLE

Name	aupcEnable
OID	1.3.6.1.4.1.6247.18.1.6.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).aupcParameters(6).aupcEnable(1)
Module	CDM600
Parent	aupcParameters
Next sibling	aupcControlParameters
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disable(0)
2	enable(1)
Description	AUPC Enable. (AUP?, AUP=)

A.7.76 aupcControlParameters

Name	aupcControlParameters
OID	1.3.6.1.4.1.6247.18.1.6.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).aupcParameters(6).aupcControlParameters(2)
Module	CDM600
Parent	aupcParameters
Prev sibling	aupcEnable
Next sibling	remoteEbno
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	6
Description	AUPC Control Parameters. (APP?, APP=)

A.7.77 remoteEbno

Name	remoteEbno
OID	1.3.6.1.4.1.6247.18.1.6.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).aupcParameters(6).remoteEbno(3)
Module	CDM600
Parent	aupcParameters
Prev sibling	aupcControlParameters
Next sibling	txPowerLevelIncrease
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	-1
2	20..160
3	999
Description	Remote EB/N0. Value Multiplied by 10 if not -1. (REB?)

A.7.78 TXPOWERLEVELINCREASE

Name	txPowerLevelIncrease
OID	1.3.6.1.4.1.6247.18.1.6.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).aupcParameters(6).txPowerLevelIncrease(4)
Module	CDM600
Parent	aupcParameters
Prev sibling	remoteEbno
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	-1
2	0..90
Description	TX Power Level Increase. Value Multiplied by 10 if not -1. (PLI?)

A.7.79 STATUSPARAMETERS

Name	statusParameters
OID	1.3.6.1.4.1.6247.18.1.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).statusParameters(7)
Module	CDM600
Parent	cdm600Objects
Prev sibling	aupcParameters
Next sibling	logs
Child	rxEbno
Type	OBJECT-IDENTIFIER

A.7.80 RXEBNO

Name	rxEbno
OID	1.3.6.1.4.1.6247.18.1.7.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).statusParameters(7).rxEbno(1)
Module	CDM600
Parent	statusParameters
Next sibling	rxSignalLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..160
2	999
Units	dB
Description	RX Eb/No. Value Multiplied by 10. (EBN?)

A.7.81 RXSIGNALLEVEL

Name	rxSignalLevel
OID	1.3.6.1.4.1.6247.18.1.7.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).statusParameters(7).rxSignalLevel(2)
Module	CDM600
Parent	statusParameters
Prev sibling	rxEbno
Next sibling	rxFrequencyOffset
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	5
Units	dBm
Description	Rx Signal Level. (RSL?)

A.7.82 RXFREQUENCYOFFSET

Name	rxFrequencyOffset
OID	1.3.6.1.4.1.6247.18.1.7.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).statusParameters(7).rxFrequencyOffset(3)
Module	CDM600
Parent	statusParameters
Prev sibling	rxSignalLevel
Next sibling	bufferFillState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	-30..30
2	99999
Units	kHz
Description	RX Frequency Offset. Value Multiplied by 10 if not 99999. (RFO?)

A.7.83 BUFFERFILLSTATE

Name	bufferFillState
OID	1.3.6.1.4.1.6247.18.1.7.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).statusParameters(7).bufferFillState(4)
Module	CDM600
Parent	statusParameters
Prev sibling	rxFrequencyOffset
Next sibling	rxBER
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..99
Description	Buffer Fill State. % Full. (BFS?)

A.7.84 RXBER

Name	rxBER
OID	1.3.6.1.4.1.6247.18.1.7.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).statusParameters(7).rxBER(5)
Module	CDM600
Parent	statusParameters
Prev sibling	bufferFillState
Next sibling	redundancyState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_GAUGE32
Base syntax	Unsigned32
Composed syntax	Unsigned32
Status	current
Max-access	read-only
Description	RX BER. Value Multiplied by 10E-10. (BER?)

A.7.85 REDUNDANCYSTATE

Name	redundancyState
OID	1.3.6.1.4.1.6247.18.1.7.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).statusParameters(7).redundancyState(6)
Module	CDM600
Parent	statusParameters
Prev sibling	rxBER
Next sibling	unitFaults
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Value list	
1	offline(0)
2	online(1)
Description	Redundancy State. (RED?)

A.7.86 UNITFAULTS

Name	unitFaults
OID	1.3.6.1.4.1.6247.18.1.7.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).statusParameters(7).unitFaults(7)
Module	CDM600
Parent	statusParameters
Prev sibling	redundancyState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..58510
Description	Unit Faults. (FLT?) FLT=abcde. a = Unit faults 0 = No faults 1 = Power supply fault, +5 volts 2 = Power supply fault, +12 volts 3 = Power supply fault, -5 volts 4 = Power supply fault, +18 volts 5 = Power supply fault, -12 volts 6 = RAM load fail 7 = Tx synthesizer lock 8 = Rx synthesizer 9 = Power cal Checksum error A = FPGA main chain load fail B = Turbo FPGA load fail C = Modem card FPGA load D = MUX FPGA load E = Demux FPGA load F = No PLL lock (Hi-Stab Ref) – suppresses TX
	b = Tx Traffic status 0 = Tx traffic OK 1 = No clock from terrestrial interface 2 = Tx FIFO slip 3 = AIS detected on incoming data 4 = AUPC upper limit reached 5 = Ref activity fault

	c = Rx Traffic status 0 = Rx Traffic OK 1 = Demodulator unlocked 2 = AGC Alarm - signal out of range 3 = Demux 4 = Spare 5 = Buffer Slip 6 = AIS detected on incoming data 7 = Eb/No alarm 8 = Buffer Clock activity
	d = Open Network 0 = No Faults 1 = Loss of Tx frame 2 = BER Alarm 3 = Loss of Tx multiframe 4 = Tx signaling AIS 5 = Tx Remote alarm 6 = IBS satellite alarm 7 = IDR Rx BWA1 8 = IDR Rx BWA2 9 = IDR Rx BWA3 A = IDR Rx BWA4 B = IDR Tx BWA1 C = IDR Tx BWA2 D = IDR Tx BWA3 E = IDR Tx BWA4
	e = Outdoor Unit (ODU). 0 = No Faults 1 = ODU Faulted 2 = ODU Communication Faulted

A.7.87 LOGS

Name	logs
OID	1.3.6.1.4.1.6247.18.1.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8)
Module	CDM600
Parent	cdm600Objects
Prev sibling	statusParameters
Next sibling	trapNotifications
Child	clearEventsLog
Type	OBJECT-IDENTIFIER

A.7.88 CLEAREVENTSLOG

Name	clearEventsLog
OID	1.3.6.1.4.1.6247.18.1.8.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8).clearEventsLog(1)
Module	CDM600
Parent	logs
Next sibling	numberUnreadEvents
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	yes(1)
Description	Clear Events Log. Write-ONLY. (CAE=)

A.7.89 NUMBERUNREADEVENTS

Name	numberUnreadEvents
OID	1.3.6.1.4.1.6247.18.1.8.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8).numberUnreadEvents(2)
Module	CDM600
Parent	logs
Prev sibling	clearEventsLog
Next sibling	retrieveNext5Events
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..999
Description	Number of Unread Events. (NUE?)

A.7.90 RETRIEVENEXT5EVENTS

Name	retrieveNext5Events
OID	1.3.6.1.4.1.6247.18.1.8.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8).retrieveNext5Events(3)
Module	CDM600
Parent	logs
Prev sibling	numberUnreadEvents
Next sibling	setStatisticInterval
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Description	Retrieve Next 5 Events. (RNE?)

A.7.91 SETSTATISTICINTERVAL

Name	setStatisticInterval
OID	1.3.6.1.4.1.6247.18.1.8.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8).setStatisticInterval(4)
Module	CDM600
Parent	logs
Prev sibling	retrieveNext5Events
Next sibling	clearStatisticsLog
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	mins10(1)
3	mins20(2)
4	mins30(3)
5	mins40(4)
6	mins50(5)
7	mins60(6)
8	mins70(7)
9	mins80(8)
10	mins90(9)
Description	Set Statistics Interval. (SSI?, SSI=)

A.7.92 CLEARSTATISTICSLOG

Name	clearStatisticsLog
OID	1.3.6.1.4.1.6247.18.1.8.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8).clearStatisticsLog(5)
Module	CDM600
Parent	logs
Prev sibling	setStatisticInterval
Next sibling	numberUnreadStatistics
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	yes(1)
Description	Clear Statistics Log. Write-ONLY. (CAS=)

A.7.93 NUMBERUNREADSTATISTICS

Name	numberUnreadStatistics
OID	1.3.6.1.4.1.6247.18.1.8.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).logs(8).numberUnreadStatistics(6)
Module	CDM600
Parent	logs
Prev sibling	clearStatisticsLog
Next sibling	retrieveNext5Statistics
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..999
Description	Number of Unread Statistics. (NUS?)

A.7.94 RETRIEVENEXT5STATISTICS

Name	retrieveNext5Statistics
OID	1.3.6.1.4.1.6247.18.1.8.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).logs(8).retrieveNext5Statistics(7)
Module	CDM600
Parent	logs
Prev sibling	numberUnreadStatistics
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Description	Retrieve Next 5 Statistics. (RNS?)

A.7.95 TRAPNOTIFICATIONS

Name	trapNotifications
OID	1.3.6.1.4.1.6247.18.1.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).trapNotifications(9)
Module	CDM600
Parent	cdm600Objects
Prev sibling	logs
Child	trapNotificationsPrefix
Type	OBJECT-IDENTIFIER

A.7.96 TRAPNOTIFICATIONSPREFIX

Name	trapNotificationsPrefix
OID	1.3.6.1.4.1.6247.18.1.9.0
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).cdm600Objects(1).trapNotifications(9).trapNotificationsPr efix(0)
Module	CDM600
Parent	trapNotifications
Child	unitFaultTraps
Type	OBJECT-IDENTIFIER

A.7.97 UNITFAULTTRAPS

Name	unitFaultTraps
OID	1.3.6.1.4.1.6247.18.1.9.0.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).trapNotifications(9).trapNotificationsPrefix(0).unitFaultTraps(1)
Module	CDM600
Parent	trapNotificationsPrefix
Next sibling	unitConfigChangeTrap
Type	NOTIFICATION-TYPE
Status	current
Objects	
1	unitFaults
Description	Unit Fault Trap Using unitFaults. (FLT?) FLT=abcde.
	Response string: abcde, where: a = Unit faults: 0 = No faults 1 = Power supply fault, +5 volts 2 = Power supply fault, +12 volts 3 = Power supply fault, -5 volts 4 = Power supply fault, +18 volts 5 = Power supply fault, -12 volts 6 = RAM load fail 7 = Tx synthesizer lock 8 = Rx synthesizer 9 = Power cal Checksum error
	A = FPGA main chain load fail B = Turbo FPGA load fail C = Modem card FPGA load D = MUX FPGA load E = Demux FPGA load F = No PLL lock (Hi-Stab Ref) – suppresses TX
	b = Tx Traffic status 0 = Tx traffic OK 1 = No clock from terrestrial interface 2 = Tx FIFO slip 3 = AIS detected on incoming data 4 = AUPC upper limit reached 5 = Ref activity fault

	c = Rx Traffic status 0 = Rx Traffic OK 1 = Demodulator unlocked 2 = AGC Alarm - signal out of range 3 = Demux 4 = Spare 5 = Buffer Slip 6 = AIS detected on incoming data 7 = Eb/No alarm 8 = Buffer Clock activity
	d = Open Network 0 = No Faults 1 = Loss of Tx frame 2 = BER Alarm 3 = Loss of Tx multiframe 4 = Tx signaling AIS 5 = Tx Remote alarm 6 = IBS satellite alarm 7 = IDR Rx BWA1 8 = IDR Rx BWA2 9 = IDR Rx BWA3 A = IDR Rx BWA4 B = IDR Tx BWA1 C = IDR Tx BWA2 D = IDR Tx BWA3 E = IDR Tx BWA4
	e = Outdoor Unit (ODU) 0 = No Faults 1 = ODU Faulted 2 = ODU Communication Faulted
	Trap is generated when fault status is changed since last poll.

A.7.98 UNITCONFIGCHANGETRAP

Name	unitConfigChangeTrap
OID	1.3.6.1.4.1.6247.18.1.9.0.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).cdm600Objects(1).trapNotifications(9).trapNotificationsPrefix(0). unitConfigChangeTrap(2)
Module	CDM600
Parent	trapNotifications Prefix
Prev sibling	unitFaultTraps
Type	NOTIFICATION – TYPE
Status	current
Objects	
1	unitFaults
Description	Unit Configuration Change Trap using unitFaults
	Trap is generated when a modem parameter command is submitted since last poll.

A.7.99 CSAT5060OBJECTS

Name	csat5060Objects
OID	1.3.6.1.4.1.6247.18.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2)
Module	CDM600
Parent	cdm600
Prev sibling	cdm600Objects
Next sibling	kst2000Objects
Child	oduSelect
Type	OBJECT-IDENTIFIER

A.7.100 ODUSELECT

Name	oduSelect
OID	1.3.6.1.4.1.6247.18.2.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2).oduSelect(1)
Module	CDM600
Parent	csat5060Objects
Next sibling	oduSystemInfo
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	odu1(1)
2	odu2(2)
Description	ODU Select.

A.7.101 ODUSYSTEMINFO

Name	oduSystemInfo
OID	1.3.6.1.4.1.6247.18.2.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2).oduSystemInfo(2)
Module	CDM600
Parent	csat5060Objects
Prev sibling	oduSelect
Next sibling	oduUnitParameters
Child	oduModelNumberSoftwareVer
Type	OBJECT-IDENTIFIER

A.7.102 oduModelNumberSoftwareVer

Name	oduModelNumberSoftwareVer
OID	1.3.6.1.4.1.6247.18.2.2.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduSystemInfo(2).oduModelNumberSoftwareVer(1)
Module	CDM600
Parent	oduSystemInfo
Next sibling	oduunitSerialNumber
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	20
Description	ODU Model Number, Software Version. (RET?)

A.7.103 oduunitSerialNumber

Name	oduunitSerialNumber
OID	1.3.6.1.4.1.6247.18.2.2.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduSystemInfo(2).oduunitSerialNumber(2)
Module	CDM600
Parent	oduSystemInfo
Prev sibling	oduModelNumberSoftwareVer
Next sibling	odudeviceTime
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	6
2	10
Description	ODU Unit Serial Number. (RSN?)

A.7.104 ODUDEVICETIME

Name	odudeviceTime
OID	1.3.6.1.4.1.6247.18.2.2.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2).oduSystemInfo(2).odudeviceTime(3)
Module	CDM600
Parent	oduSystemInfo
Prev sibling	oduunitSerialNumber
Next sibling	odudeviceDate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	6
Description	ODU Unit Time. (TIM?, TIM=)

A.7.105 ODUDEVICEDATE

Name	odudeviceDate
OID	1.3.6.1.4.1.6247.18.2.2.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2).oduSystemInfo(2).odudeviceDate(4)
Module	CDM600
Parent	oduSystemInfo
Prev sibling	odudeviceTime
Next sibling	oducircuitID
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	6
Description	ODU Unit Date. (DAY?, DAY=)

A.7.106 ODUCIRCUITID

Name	oducircuitID
OID	1.3.6.1.4.1.6247.18.2.2.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2).oduSystemInfo(2).oducircuitID(5)
Module	CDM600
Parent	oduSystemInfo
Prev sibling	odudeviceDate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	24
Description	ODU Circuit ID. (CID?, CID=)

A.7.107 ODUUNITPARAMETERS

Name	oduUnitParameters
OID	1.3.6.1.4.1.6247.18.2.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).csat5060Objects(2).oduUnitParameters(3)
Module	CDM600
Parent	csat5060Objects
Prev sibling	oduSystemInfo
Next sibling	oduTxParameters
Child	oduUnitMuteMode
Type	OBJECT-IDENTIFIER

A.7.108 ODUUNITMUTEMODE

Name	oduUnitMuteMode
OID	1.3.6.1.4.1.6247.18.2.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitMuteMode(1)
Module	CDM600
Parent	oduUnitParameters
Next sibling	oduUnitColdStart
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	unmute(0)
2	mute(1)
Description	ODU Unit Mute Mode. (MUT?, MUT=)

A.7.109 ODUUNITCOLDSTART

Name	oduUnitColdStart
OID	1.3.6.1.4.1.6247.18.2.3.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitColdStart(2)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitMuteMode
Next sibling	oduUnitAutoFaultRecovery
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU Unit Cold Start. (CLD?, CLD=)

A.7.110 ODUUNITAUTOFAULTRECOVERY

Name	oduUnitAutoFaultRecovery
OID	1.3.6.1.4.1.6247.18.2.3.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitAutoFaultRecovery(3)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitColdStart
Next sibling	oduUnitExtRefFaultLogic
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU Auto Fault Recovery. (AFR?, AFR=)

A.7.111 ODUUNITEXTREFFAULTLOGIC

Name	oduUnitExtRefFaultLogic
OID	1.3.6.1.4.1.6247.18.2.3.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitExtRefFaultLogic(4)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitAutoFaultRecovery
Next sibling	oduUnitRefOscAdjust
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU External Reference Fault Logic. (XRF?, XRF=)

A.7.112 oduUnitRefOscAdjust

Name	oduUnitRefOscAdjust
OID	1.3.6.1.4.1.6247.18.2.3.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitRefOscAdjust(5)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitExtRefFaultLogic
Next sibling	oduUnitLNACurrentSource
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..255
Description	ODU Reference Oscillator Adjust. (REF?, REF=)

A.7.113 oduUnitLNACurrentSource

Name	oduUnitLNACurrentSource
OID	1.3.6.1.4.1.6247.18.2.3.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitLNACurrentSource(6)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitRefOscAdjust
Next sibling	oduUnitLNACurrentWindow
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU LNA Current Source. (LCS?, LCS=)

A.7.114 ODUUNITLNACURRENTWINDOW

Name	oduUnitLNACurrentWindow
OID	1.3.6.1.4.1.6247.18.2.3.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitLNACurrentWindow(7)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitLNACurrentSource
Next sibling	oduUnitLNAFaultLogic
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	percent20(20)
2	percent25(25)
3	percent30(30)
4	percent35(35)
5	percent40(40)
6	percent45(45)
7	percent50(50)
8	disabled(99)
Description	ODU LNA Current Window. (LCW?, LCW=)

A.7.115 oduUnitLNAFaultLogic

Name	oduUnitLNAFaultLogic
OID	1.3.6.1.4.1.6247.18.2.3.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitLNAFaultLogic(8)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitLNACurrentWindow
Next sibling	oduUnitRedundancyMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU LNA Fault Logic. (LFL?, LFL=)

A.7.116 oduUnitRedundancyMode

Name	oduUnitRedundancyMode
OID	1.3.6.1.4.1.6247.18.2.3.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitRedundancyMode(9)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitLNAFaultLogic
Next sibling	oduUnitRedForceSwitch
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	manual(0)
2	auto(1)
Description	ODU Redundancy Mode. Only Supported by ONLINE Unit. (RED?, RED=)

A.7.117 ODUUNITREDFORCESWITCH

Name	oduUnitRedForceSwitch
OID	1.3.6.1.4.1.6247.18.2.3.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitParameters(3).oduUnitRedForceSwitch(10)
Module	CDM600
Parent	oduUnitParameters
Prev sibling	oduUnitRedundancyMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	yes(1)
Description	ODU Force Redundancy Switch. Write-ONLY. (RTG=)

A.7.118 ODUTXPARAMETERS

Name	oduTxParameters
OID	1.3.6.1.4.1.6247.18.2.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4)
Module	CDM600
Parent	csat5060Objects
Prev sibling	oduUnitParameters
Next sibling	oduRxParameters
Child	odutxFrequency
Type	OBJECT-IDENTIFIER

A.7.119 ODUTXFREQUENCY

Name	odutxFrequency
OID	1.3.6.1.4.1.6247.18.2.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).odutxFrequency(1)
Module	CDM600
Parent	oduTxParameters
Next sibling	oduTxAttenuation
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	58450..181000
Description	ODU TX Frequency. Value Multiplied by 10. (UFQ?, UFQ=)

A.7.120 ODUTXATTENUATION

Name	oduTxAttenuation
OID	1.3.6.1.4.1.6247.18.2.4.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).oduTxAttenuation(2)
Module	CDM600
Parent	oduTxParameters
Prev sibling	odutxFrequency
Next sibling	oduTxAmplifier
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..2000
Description	ODU TX Attenuation. Value Multiplied by 100. (UAT?, UAT=)

A.7.121 ODUTXAMPLIFIER

Name	oduTxAmplifier
OID	1.3.6.1.4.1.6247.18.2.4.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).oduTxAmplifier(3)
Module	CDM600
Parent	oduTxParameters
Prev sibling	oduTxAttenuation
Next sibling	oduTxMute
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	ODU TX Amplifier. (AMP?, AMP=)

A.7.122 ODUTXMUTE

Name	oduTxMute
OID	1.3.6.1.4.1.6247.18.2.4.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).oduTxMute(4)
Module	CDM600
Parent	oduTxParameters
Prev sibling	oduTxAmplifier
Next sibling	oduTxSlopeMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU TX Mute. (UMU?, UMU=)

A.7.123 ODUTXSLOPEMODE

Name	oduTxSlopeMode
OID	1.3.6.1.4.1.6247.18.2.4.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).oduTxSlopeMode(5)
Module	CDM600
Parent	oduTxParameters
Prev sibling	oduTxMute
Next sibling	oduTxSlopeValue
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	manual(0)
2	calibrated(1)
Description	ODU TX Slope Mode. (USM?, USM=)

A.7.124 ODUTXSLOPEVALUE

Name	oduTxSlopeValue
OID	1.3.6.1.4.1.6247.18.2.4.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).oduTxSlopeValue(6)
Module	CDM600
Parent	oduTxParameters
Prev sibling	oduTxSlopeMode
Next sibling	oduTxGainOffset
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..10
Description	ODU TX Slope Value. Value Multiplied by 10. (USA?, USA=)

A.7.125 ODUTXGAINOFFSET

Name	oduTxGainOffset
OID	1.3.6.1.4.1.6247.18.2.4.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduTxParameters(4).oduTxGainOffset(7)
Module	CDM600
Parent	oduTxParameters
Prev sibling	oduTxSlopeValue
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-400..0
Description	ODU TX Gain Offset. Value Multiplied by 100. (UGO?, UGO=)

A.7.126 ODURXPARAMETERS

Name	oduRxParameters
OID	1.3.6.1.4.1.6247.18.2.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5)
Module	CDM600
Parent	csat5060Objects
Prev sibling	oduTxParameters
Next sibling	oduUnitStatus
Child	oduRxFrequency
Type	OBJECT-IDENTIFIER

A.7.127 ODURXFREQUENCY

Name	oduRxFrequency
OID	1.3.6.1.4.1.6247.18.2.5.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5).oduRxFrequency(1)
Module	CDM600
Parent	oduRxParameters
Next sibling	oduRxAttenuation
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	34000..141000
Description	ODU RX Frequency. Value Multiplied by 10. (DFQ?, DFQ=)

A.7.128 ODURXATTENUATION

Name	oduRxAttenuation
OID	1.3.6.1.4.1.6247.18.2.5.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5).oduRxAttenuation(2)
Module	CDM600
Parent	oduRxParameters
Prev sibling	oduRxFrequency
Next sibling	oduRxMute
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..2500
Description	ODU RX Attenuation. Value Multiplied by 100. (DAT?, DAT=)

A.7.129 ODURXMUTE

Name	oduRxMute
OID	1.3.6.1.4.1.6247.18.2.5.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5).oduRxMute(3)
Module	CDM600
Parent	oduRxParameters
Prev sibling	oduRxAttenuation
Next sibling	oduRxSlopeMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	ODU RX Mute. (DMU?, DMU=)

A.7.130 ODURXSLOPEMODE

Name	oduRxSlopeMode
OID	1.3.6.1.4.1.6247.18.2.5.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5).oduRxSlopeMode(4)
Module	CDM600
Parent	oduRxParameters
Prev sibling	oduRxMute
Next sibling	oduRxSlopeValue
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	manual(0)
2	calibrated(1)
Description	ODU RX Slope Mode. (DSM?, DSM=)

A.7.131 oduRxSlopeValue

Name	oduRxSlopeValue
OID	1.3.6.1.4.1.6247.18.2.5.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5).oduRxSlopeValue(5)
Module	CDM600
Parent	oduRxParameters
Prev sibling	oduRxSlopeMode
Next sibling	oduRxGainOffset
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..10
Description	ODU RX Slope Value. Value Multiplied by 10. (DSA?, DSA=)

A.7.132 oduRxGainOffset

Name	oduRxGainOffset
OID	1.3.6.1.4.1.6247.18.2.5.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduRxParameters(5).oduRxGainOffset(6)
Module	CDM600
Parent	oduRxParameters
Prev sibling	oduRxSlopeValue
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-400..0
Description	ODU RX Gain Offset. Value Multiplied by 100. (DGO?, DGO=)

A.7.133 ODUUNITSTATUS

Name	oduUnitStatus
OID	1.3.6.1.4.1.6247.18.2.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitStatus(6)
Module	CDM600
Parent	csat5060Objects
Prev sibling	oduRxParameters
Next sibling	oduLogs
Child	oduOnlineState
Type	OBJECT-IDENTIFIER

A.7.134 ODUONLINESTATE

Name	oduOnlineState
OID	1.3.6.1.4.1.6247.18.2.6.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitStatus(6).oduOnlineState(1)
Module	CDM600
Parent	oduUnitStatus
Next sibling	oduMaintenanceParameters
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Value list	
1	offline(0)
2	online(1)
Description	ODU Online Status. (ONL?)

A.7.135 ODUMAINTENANCEPARAMETERS

Name	oduMaintenanceParameters
OID	1.3.6.1.4.1.6247.18.2.6.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitStatus(6).oduMaintenanceParameters(2)
Module	CDM600
Parent	oduUnitStatus
Prev sibling	oduOnlineState
Next sibling	oduUnitFaults
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	80
Description	ODU Concise Maintenance Parameters. (CMS?)

A.7.136 ODUUNITFAULTS

Name	oduUnitFaults
OID	1.3.6.1.4.1.6247.18.2.6.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduUnitStatus(6).oduUnitFaults(3)
Module	CDM600
Parent	oduUnitStatus
Prev sibling	oduMaintenanceParameters
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..262143
Description	ODU Concise Alarm Status. (CAS?)

A.7.137 oduLogs

Name	oduLogs
OID	1.3.6.1.4.1.6247.18.2.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduLogs(7)
Module	CDM600
Parent	csat5060Objects
Prev sibling	oduUnitStatus
Child	oduClearEventsLog
Type	OBJECT-IDENTIFIER

A.7.138 oduClearEventsLog

Name	oduClearEventsLog
OID	1.3.6.1.4.1.6247.18.2.7.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduLogs(7).oduClearEventsLog(1)
Module	CDM600
Parent	oduLogs
Next sibling	oduNumberUnreadEvents
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	yes(1)
Description	ODU Clear Events Log. Write-ONLY. (CAA=)

A.7.139 oduNumberUnreadEvents

Name	oduNumberUnreadEvents
OID	1.3.6.1.4.1.6247.18.2.7.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduLogs(7).oduNumberUnreadEvents(2)
Module	CDM600
Parent	oduLogs
Prev sibling	oduClearEventsLog
Next sibling	oduRetrieveNext5Events
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..99
Description	ODU Number of Unread Events. (TNA?)

A.7.140 oduRetrieveNext5Events

Name	oduRetrieveNext5Events
OID	1.3.6.1.4.1.6247.18.2.7.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).csat5060Objects(2).oduLogs(7).oduRetrieveNext5Events(3)
Module	CDM600
Parent	oduLogs
Prev sibling	oduNumberUnreadEvents
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Description	ODU Retrieve Next 5 Events. (LNA?)

A.7.141 KST2000OBJECTS

Name	kst2000Objects
OID	1.3.6.1.4.1.6247.18.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3)
Module	CDM600
Parent	cdm600
Prev sibling	csat5060Objects
Child	kstSystemInfo
Type	OBJECT-IDENTIFIER

A.7.142 KSTSYSTEMINFO

Name	kstSystemInfo
OID	1.3.6.1.4.1.6247.18.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstSystemInfo(1)
Module	CDM600
Parent	kst2000Objects
Next sibling	kstUnitParameters
Child	kstEquipmentType
Type	OBJECT-IDENTIFIER

A.7.143 KSTEQUIPMENTTYPE

Name	kstEquipmentType
OID	1.3.6.1.4.1.6247.18.3.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstSystemInfo(1).kstEquipmentType(1)
Module	CDM600
Parent	kstSystemInfo
Next sibling	kstSerialNumbers
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	18..19
Description	KST Equipment Type (RET?)

A.7.144 KSTSERIALNUMBERS

Name	kstSerialNumbers
OID	1.3.6.1.4.1.6247.18.3.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstSystemInfo(1).kstSerialNumbers(2)
Module	CDM600
Parent	kstSystemInfo
Prev sibling	kstEquipmentType
Next sibling	kstAssemblyNumbers
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Description	KST-2000A/B Serial Numbers (SNM?)

A.7.145 KSTASSEMBLYNUMBERS

Name	kstAssemblyNumbers
OID	1.3.6.1.4.1.6247.18.3.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstSystemInfo(1).kstAssemblyNumbers(3)
Module	CDM600
Parent	kstSystemInfo
Prev sibling	kstSerialNumbers
Next sibling	kstFirmwareNumbers
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Description	KST-2000A/B Assembly Numbers (ANM?)

A.7.146 KSTFIRMWARENUMBERS

Name	kstFirmwareNumbers
OID	1.3.6.1.4.1.6247.18.3.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstSystemInfo(1).kstFirmwareNumbers(4)
Module	CDM600
Parent	kstSystemInfo
Prev sibling	kstAssemblyNumbers
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Description	KST-2000A/B Firmware Numbers and Versions (FRM?)

A.7.147 KSTUNITPARAMETERS

Name	kstUnitParameters
OID	1.3.6.1.4.1.6247.18.3.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitParameters(2)
Module	CDM600
Parent	kst2000Objects
Prev sibling	kstSystemInfo
Next sibling	kstTxParameters
Child	kstCircuitID
Type	OBJECT-IDENTIFIER

A.7.148 KSTCIRCUITID

Name	kstCircuitID
OID	1.3.6.1.4.1.6247.18.3.2.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitParameters(2).kstCircuitID(1)
Module	CDM600
Parent	kstUnitParameters
Next sibling	kstAgc
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	24
Description	KST-2000A/B Unit Circuit ID (CID?, CID=)

A.7.149 KSTAGC

Name	kstAgc
OID	1.3.6.1.4.1.6247.18.3.2.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitParameters(2).kstAgc(2)
Module	CDM600
Parent	kstUnitParameters
Prev sibling	kstCircuitID
Next sibling	kstRefOscillatorAdjust
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	KST-2000A/B Unit AGC (AGC?, AGC=)

A.7.150 KSTREFOSCILLATORADJUST

Name	kstRefOscillatorAdjust
OID	1.3.6.1.4.1.6247.18.3.2.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitParameters(2).kstRefOscillatorAdjust(3)
Module	CDM600
Parent	kstUnitParameters
Prev sibling	kstAgc
Next sibling	kstLockMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..255
Description	KST-2000A/B Reference Oscillator Adjust (REF?, REF=)

A.7.151 KSTLOCKMODE

Name	kstLockMode
OID	1.3.6.1.4.1.6247.18.3.2.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitParameters(2).kstLockMode(4)
Module	CDM600
Parent	kstUnitParameters
Prev sibling	kstRefOscillatorAdjust
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	KST-2000A/B Lock Mode (LOK?, LOK=)

A.7.152 KSTTXPARAMETERS

Name	kstTxParameters
OID	1.3.6.1.4.1.6247.18.3.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstTxParameters(3)
Module	CDM600
Parent	kst2000Objects
Prev sibling	kstUnitParameters
Next sibling	kstRxParameters
Child	kstUpConvFrequency
Type	OBJECT-IDENTIFIER

A.7.153 KSTUPCONVFREQUENCY

Name	kstUpConvFrequency
OID	1.3.6.1.4.1.6247.18.3.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstTxParameters(3).kstUpConvFrequency(1)
Module	CDM600
Parent	kstTxParameters
Next sibling	kstUpConvAttenuation
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	13750..14500
Units	MHz
Description	KST-2000A/B Up Converter Frequency (UFQ?, UFQ=)

A.7.154 KSTUPCONVATTENUATION

Name	kstUpConvAttenuation
OID	1.3.6.1.4.1.6247.18.3.3.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstTxParameters(3).kstUpConvAttenuation(2)
Module	CDM600
Parent	kstTxParameters
Prev sibling	kstUpConvFrequency
Next sibling	kstUpConvOutput
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..55
Units	dB
Description	KST-2000A/B Up Converter Attenuation (UAT?, UAT=)

A.7.155 KSTUPCONVOUTPUT

Name	kstUpConvOutput
OID	1.3.6.1.4.1.6247.18.3.3.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstTxParameters(3).kstUpConvOutput(3)
Module	CDM600
Parent	kstTxParameters
Prev sibling	kstUpConvAttenuation
Next sibling	kstHpaPowerEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
3	warm(2)
Description	KST-2000A/B Up Converter Output (UMU?, UMU=)

A.7.156 KSTHPAPOWERENABLE

Name	kstHpaPowerEnable
OID	1.3.6.1.4.1.6247.18.3.3.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstTxParameters(3).kstHpaPowerEnable(4)
Module	CDM600
Parent	kstTxParameters
Prev sibling	kstUpConvOutput
Next sibling	kstHpaFaultLogic
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	KST-2000A/B HPA Power Enable (AMP?, AMP=)

A.7.157 KSTHPAFAULTLOGIC

Name	kstHpaFaultLogic
OID	1.3.6.1.4.1.6247.18.3.3.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstTxParameters(3).kstHpaFaultLogic(5)
Module	CDM600
Parent	kstTxParameters
Prev sibling	kstHpaPowerEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	KST-2000A/B HPA Fault Logic. (KFE?, KFE=)

A.7.158 KSTRXPARAMETERS

Name	kstRxParameters
OID	1.3.6.1.4.1.6247.18.3.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstRxParameters(4)
Module	CDM600
Parent	kst2000Objects
Prev sibling	kstTxParameters
Next sibling	kstUnitStatus
Child	kstDownConvFrequency
Type	OBJECT-IDENTIFIER

A.7.159 KSTDOWNCONVFREQUENCY

Name	kstDownConvFrequency
OID	1.3.6.1.4.1.6247.18.3.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstRxParameters(4).kstDownConvFrequency(1)
Module	CDM600
Parent	kstRxParameters
Next sibling	kstDownConvAttenuation
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	10950..12750
Units	MHz
Description	KST-2000A/B Down Converter Frequency. (DFQ?, DFQ=)

A.7.160 KSTDOWNCONVATTENUATION

Name	kstDownConvAttenuation
OID	1.3.6.1.4.1.6247.18.3.4.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstRxParameters(4).kstDownConvAttenuation(2)
Module	CDM600
Parent	kstRxParameters
Prev sibling	kstDownConvFrequency
Next sibling	kstReceiveBand
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..20
Units	dB
Description	KST-2000A/B Down Converter Attenuation. (DAT?, DAT=)

A.7.161 KSTRECEIVEBAND

Name	kstReceiveBand
OID	1.3.6.1.4.1.6247.18.3.4.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstRxParameters(4).kstReceiveBand(3)
Module	CDM600
Parent	kstRxParameters
Prev sibling	kstDownConvAttenuation
Next sibling	kstLnaPowerEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Value list	
1	1
Description	KST-2000A/B Receive Band. (SRB?, SRB=) SRB=x, where x is: A = band 10950 to 11700 MHz B = band 11700 to 12200 MHz C = band 12250 to 12750 MHz

A.7.162 KSTLNAPOWERENABLE

Name	kstLnaPowerEnable
OID	1.3.6.1.4.1.6247.18.3.4.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstRxParameters(4).kstLnaPowerEnable(4)
Module	CDM600
Parent	kstRxParameters
Prev sibling	kstReceiveBand
Next sibling	kstLnaFaultLogic
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	KST-2000A/B LNA Power Enable. (LCS?, LCS=)

A.7.163 KSTLNAFAULTLOGIC

Name	kstLnaFaultLogic
OID	1.3.6.1.4.1.6247.18.3.4.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstRxParameters(4).kstLnaFaultLogic(5)
Module	CDM600
Parent	kstRxParameters
Prev sibling	kstLnaPowerEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	disabled(0)
2	enabled(1)
Description	KST-2000A/B LNA Fault Logic. (LFL?, LFL=)

A.7.164 KSTUNITSTATUS

Name	kstUnitStatus
OID	1.3.6.1.4.1.6247.18.3.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).kst2000Objects(3).kstUnitStatus(5)
Module	CDM600
Parent	kst2000Objects
Prev sibling	kstRxParameters
Child	kstUnitFaultStatus
Type	OBJECT-IDENTIFIER
Numerical syntax	SNMP_SYNTAX_INT

A.7.165 KSTUNITFAULTSTATUS

Name	kstUnitFaultStatus
OID	1.3.6.1.4.1.6247.18.3.5.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstUnitFaultStatus(1)
Module	CDM600
Parent	kstUnitStatus
Next sibling	kstCommonEquipmentStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	7
Description	KST-2000A/B Unit Fault Status. (CFS?, CFS=) CFS=ABCDEFG, where: A = Common Equipment Status, 0=OK, 1=FLT B = Reference Status, 0=OK, 1=FLT C = AGC Status, 0=OK, 1=FLT D = Up Converter Status, 0=OK, 1=FLT E = Down Converter Status, 0=OK, 1=FLT F = HPA Status, 0=OK, 1=FLT G = LNA Status, 0=OK, 1=FLT

A.7.166 kstCommonEquipmentStatus

Name	kstCommonEquipmentStatus
OID	1.3.6.1.4.1.6247.18.3.5.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstCommonEquipmentStatus(2)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstUnitFaultStatus
Next sibling	kstReferenceStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	4
Description	KST-2000A/B Common Equipment Status. (CES?, CES=) CES=ABCD, where: A = -7V PS Status, 0=OK, 1=FLT B = +7V PS Status, 0=OK, 1=FLT C = +12V PS Status, 0=OK, 1=FLT D = +17V PS Status, 0=OK, 1=FLT

A.7.167 KSTREFERENCESTATUS

Name	kstReferenceStatus
OID	1.3.6.1.4.1.6247.18.3.5.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstReferenceStatus(3)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstCommonEquipmentStatus
Next sibling	kstAgcStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	6
Description	KST-2000A/B Reference Status. (CRS?, CRS=) CRS=ABCDEF, where: A = REF Source, 0=INT, 1=EXT B = Oscillator State, 0=COLD, 1=WARM C = 72M Lock Status, 0=OK, 1=FLT D = EXT REF Lock Status, 0=OK, 1=FLT, 2=NA E = EXT REF Phase_N Status, 0=OK, 1=FLT, 2=NA F = EXT REF Range Status, 0=OK, 1=FLT, 2=NA

A.7.168 KSTAGCSTATUS

Name	kstAgcStatus
OID	1.3.6.1.4.1.6247.18.3.5.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstAgcStatus(4)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstReferenceStatus
Next sibling	kstUpConvStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	3

Description	KST-2000A/B AGC Status. (CAS?, CAS=) CAS=ABC, where: A = Loop Convergence, 0=OK, 1=FLT B = Excessive Input Power (EIP), 0=OK, 1=FLT C = Insufficient Input Power (IIP), 0=OK, 1=FLT

A.7.169 KSTUPCONVSTATUS

Name	kstUpConvStatus
OID	1.3.6.1.4.1.6247.18.3.5.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstUpConvStatus(5)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstAgcStatus
Next sibling	kstDownConvStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	4
Description	KST-2000A/B Up Converter Status. (CUS?, CUS=) CUS=ABCD, where: A = Over temperature status, 0=OK, 1=FLT B = L-Band Synthesizer Lock Status, 0=OK, 1=FLT C = Ku-Band Synthesizer Lock Status, 0=OK, 1=FLT D = Interprocessor Comm. Status, 0=OK, 1=FLT

A.7.170 KSTDOWNCONVSTATUS

Name	kstDownConvStatus
OID	1.3.6.1.4.1.6247.18.3.5.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstDownConvStatus(6)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstUpConvStatus
Next sibling	kstHpaStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current

Max-access	read-only
Size list	
1	4
Description	KST-2000A/B Down Converter Status. (CDS?, CDS=) CDS=ABCD, where: A = Over temperature status, 0=OK, 1=FLT B = L-Band Synthesizer Lock Status, 0=OK, 1=FLT C = Ku-Band Synthesizer Lock Status, 0=OK, 1=FLT D = Interprocessor Comm. Status, 0=OK, 1=FLT

A.7.171 KSTHPASTATUS

Name	kstHpaStatus
OID	1.3.6.1.4.1.6247.18.3.5.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247). cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstHpaStatus(7)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstDownConvStatus
Next sibling	kstLnaStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	5
Description	KST-2000A/B HPA Status. (CHS?, CHS=) CHS=ABCD, where: A = Over temperature status, 0=OK, 1=FLT, 2=NA B = L-Band Synthesizer Lock Status, 0=OK, 1=FLT, 2=NA C = Ku-Band Synthesizer Lock Status, 0=OK, 1=FLT, 2=NA D = Interprocessor Comm. Status, 0=OK, 1=FLT, 2=NA

A.7.172 KSTLNASTATUS

Name	kstLnaStatus
OID	1.3.6.1.4.1.6247.18.3.5.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247). cdm600(18).kst2000Objects(3).kstUnitStatus(5).kstLnaStatus(8)
Module	CDM600
Parent	kstUnitStatus
Prev sibling	kstHpaStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	1
Description	KST-2000A/B LNA Status. 0=OK, 1=FLT

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METRIC CONVERSIONS

Units of Length

Unit	Centimeter	Inch	Foot	Yard	Mile	Meter	Kilometer	Millimeter
1 centimeter	—	0.3937	0.03281	0.01094	6.214×10^{-6}	0.01	—	—
1 inch	2.540	—	0.08333	0.2778	1.578×10^{-5}	0.254	—	25.4
1 foot	30.480	12.0	—	0.3333	1.893×10^{-4}	0.3048	—	—
1 yard	91.44	36.0	3.0	—	5.679×10^{-4}	0.9144	—	—
1 meter	100.0	39.37	3.281	1.094	6.214×10^{-4}	—	—	—
1 mile	1.609×10^{5}	6.336×10^{4}	5.280×10^{3}	1.760×10^{3}	—	1.609×10^{3}	1.609	—
1 mm	—	0.03937	—	—	—	—	—	—
1 kilometer	—	—	—	—	0.621	—	—	—

Temperature Conversions

Unit	° Fahrenheit	° Centigrade
32° Fahrenheit	—	0 (water freezes)
212° Fahrenheit	—	100 (water boils)
-459.6° Fahrenheit	—	273.1 (absolute 0)

Formulas
C = (F - 32) * 0.555
F = (C * 1.8) + 32

Units of Weight

Unit	Gram	Ounce Avoirdupois	Ounce Troy	Pound Avoir.	Pound Troy	Kilogram
1 gram	—	0.03527	0.03215	0.002205	0.002679	0.001
1 oz. avoir.	28.35	—	0.9115	0.0625	0.07595	0.02835
1 oz. troy	31.10	1.097	—	0.06857	0.08333	0.03110
1 lb. avoir.	453.6	16.0	14.58	—	1.215	0.4536
1 lb. Troy	373.2	13.17	12.0	0.8229	—	0.3732
1 kilogram	1.0×10^{3}	35.27	32.15	2.205	2.679	—

2114 WEST 7TH STREET TEMPE ARIZONA 85281 USA
480 • 333 • 2200 PHONE
480 • 333 • 2161 FAX